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DEPARTMENT OF COMMERCE
BUREAU OF NAVIGATION
RADIO SERVICE

# RADIO STATIONS OF THE UNITED STATES

**EDITION JULY 1, 1916** 



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United States Government

## DEPARTMENT OF COMMERCE

U.S. BUREAU OF NAVIGATION (Dept. of cornellerce)

RADIO SERVICE

# RADIO STATIONS OF THE UNITED STATES

**EDITION JULY 1, 1916** 



WASHINGTON GOVERNMENT PRINTING OFFICE Additional copies of this publication may be procured from the Super-intendent of Documents, Government Printing Office, Washington, D. C., at 15 cents per copy.

Copies of other publications of the Radio Service, Department of Commerce, may also be procured from the Superintendent of Documents, as follows: Radio Communication Laws and Regulations, 15 cents each; Radio Service Bulletin (issued monthly), containing amendments to or changes in radio laws and regulations and items of general interest concerning their enforcement, with latest information concerning all radio stations, except amateur, 5 cents each or 25 cents per year; Important Events in Radiotelegraphy, February 1, 1916, 5 cents each.

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#### NOTES.

Supplements, under the title "Radio Service Bulletin," are issued monthly and distributed to the United States officers engaged in or concerned with the enforcement of the radio laws for their guidance and instruction, and to those concerned with the operation of Government and commercial radio stations for their information.

The Radio Service Bulletin supersedes the quarterly supplements to the list of Radio Stations of the United States, and contains information concerning Government, commercial, and special stations only. Information regarding amateur stations appears only in the annual edition of the list of Radio Stations of the United States.

The bulletin contains tables of new stations, alterations, and corrections under headings, so that the list of Radio Stations of the United States and the list of Radio-telegraph Stations, published by the International Bureau at Berne, may be brought up to date. Additions, alterations, and corrections should be entered in these two publications promptly on receipt of the bulletin.

Amendments to or changes in the Radio Laws and Regulations of the United States are printed in this bulletin in such a manner that they may be clipped and pasted in their proper places in that publication.

Items of general interest concerning the enforcement of the radio laws are printed in the bulletin from time to time, as occasion warrants.

Copies of this bulletin may be obtained from the Superintendent of Documents; Government Printing Office, Washington, D. C., at 5 cents per copy or 25 cents per vear.

Underscoring of normal wave lengths is indicated by the use of italics.

Government vessels showing "nature of service" to be PG will accept or transmit paid messages for officers or members of crews.

Government vessels proceeding singly may relay messages to the coast upon request. The regular ship rate will apply

#### INTERNATIONAL ABBREVIATIONS USED IN THIS LIST.

Nature of service:

PG=General public.

PR=Limited public.

P=Private (limited commercial and special).

O=Government business exclusively.

Hours of operation:

N=Continuous service.

X=No regular hours.

Classification:

b=Ship station.

c=Land station.

OTHER ABBREVIATIONS.

Corp. = Corporation.

Nav. = Navigation.

Transp.=Transportation.

Marconi Co. = Marconi Wireless Telegraph Co. of America.

U. S. C. G.=United States Coast Guard.

D., L. & W. R. R. Co. = Delaware, Lackawanna & Western Railroad Co.

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## RADIO STATIONS OF THE UNITED STATES.

#### INTRODUCTION.

This list, including land and ship stations, is published in accordance with Section I of an act of Congress entitled "An act to regulate radio communication," approved August 13, 1912.

The following instructions concerning radio call letters are issued for the information of those concerned:

- 1. Section 7 of the act of August 13, 1912, to regulate radio communication provides:
- SEC. 7. That a person, company, or corporation within the jurisdiction of the United States'shall not knowingly utter or transmit, or cause to be uttered or transmitted, any false or fraudulent distress signal or call or false or fraudulent signal, call, or other radiogram of any kind. The penalty for so uttering or transmitting a false or fraudulent distress signal or call shall be a fine of not more than two thousand five hundred dollars or imprisonment for not more than five years, or both, in the discretion of the court, for each and every such offense, and the penalty for so uttering or transmitting, or causing to be uttered or transmitted, any other false or fraudulent signal, call, or other radiogram shall be a fine of not more than one thousand dollars or imprisonment for not more than two years, or both, in the discretion of the court, for each and every such offense.
- 2. The Service Regulations of the International Radiotelegraphic Conventions provide that the call letters of stations in the international system must each be formed of a group of three letters which shall be distinguishable from one another. The London International Radiotelegraphic Conference made a partial allotment of call letters among nations which signed the convention and the International Bureau at Berne, with the consent of such nations, has modified and added to this assignment of call letters by circulars of April 1, 1914, and August 1, 1915. The distribution of call letters among nations thus authorized is printed below for the guidance of operators of all stations (ship and shore) of the United States.

A.....All to Germany and pro-CQA to CQZ...Monaco. tectorates. CRA to CTZ...Portugal and colonies. B.....All to Great Britain. CUA to CUZ. . Not yet assigned. CAA to CEZ...Chile. CVA to CVZ...Roumania. CWA to CWZ..Uruguay. CFA to CMZ...Not yet assigned. CNA to CNZ.. Morocco. CXA to CZZ...Not yet assigned. D..... All to Germany and pro-COA to COZ...Not yet assigned. CPA to CPZ...Bolivia. tectorates.

EAA to EGZ. . Spain and colonies. Q.....Reserved for code abbre-EHA to EZZ..Not yet assigned. viations. F..... All to France and colonies. R.....All to Russia. G.....All to Great Britain. SAA to SMZ...Sweden. HAA to HFZ..Austria-Hungary and Bos-SNA to STZ...Brazil. nia-Herzegovina. SUA to SUZ...Egypt. SVA to SZZ....Greece. HGA to HHZ..Siam. HIA to HIZ...Dominican Republic. TAA to TMZ...Turkey. HJA to HKZ...Colombia (Republic). TNA to TZZ...Germany and protecto-HLA to HZZ...Not yet assigned. I......All to Italy and colonies. UAA to UMZ..France and colonies. J......All to Japan and posses-UNA to UZZ...Austria-Hungary and Bossions. nia-Herzegovina. KAA to KCZ..Germany and protecto-VAA to VGZ...Canada (British). VHA to VKZ...Australian Federation KDA to KZZ. United States. (British). LAA to LHZ. . Norway. VLA to VMZ...New Zealand (British). LIA to LRZ...Argentine Republic. VNA to VNZ. South African LSA to LWZ...Not yet assigned. (British). LXA to LZZ...Bulgaria. VOA to VOZ...Newfoundland (British). M.....All to Great Britain. VPA to VSZ...British colonies not au-N.....All to the United States. tonomous. OAA to OFZ...Not yet assigned. VTA to VWZ..British India. OGA to OMZ. . Austria-Hungary and Bos-VXA to VXZ. . Newfoundland (British). VYA to VZZ...Great Britain. nia-Herzegovina. ONA to OTZ. . Belgium and colonies. W..... All to the United States. XAA to XDZ..Mexico. OUA to OZZ...Denmark. PAA to PIZ... Netherlands. XEA to XMZ...Not yet assigned. PJA to PJM....Curação (Dutch). XNA to XSZ. . China. PJN to PJZ....Surinam (Dutch). XTA to XZZ...Not yet assigned. PKA to PMZ. Dutch East Indies. Y.....All to Great Britain. PNA to PZZ...Brazil. Z.....All to Great Britain.

#### PUBLIC-SERVICE STATIONS.

- 3. The call letters assigned to the United States are all combinations (676) beginning with the letter N and all (676) beginning with the letter W, and all combinations (598) from KDA to KZZ, inclusive. The total number of international call letters assigned to the United States is thus 1,950, and these are reserved for Government stations and stations open to public and limited commercial service.
- (a) All combinations beginning with the letter N are reserved for Government stations and in addition the combinations from WUA to WVZ and WXA to WZZ are reserved for stations of the Army of the United States.
- (b) The combinations KDA to KZZ, with a few exceptions, are reserved for ship stations on the Atlantic and Gulf of Mexico and for land stations on the Pacific coast.
- (c) The combinations beginning with W (except WUA to WVZ and WXA to WZZ as already indicated) are reserved, with a few

exceptions, for ship stations on the Pacific and the Great Lakes and for land stations on the Atlantic and Gulf coasts and in the Great Lakes region.

#### AMATEUR STATIONS.

- 4. The call letters for amateur stations in the United States are awarded by radio inspectors, each for his own district, according to the following system:
- (a) The call will consist of three items—the number of the radio district, followed by two letters of the alphabet. Thus, the call of all amateur stations in New England (which comprises the first district) is the figure "one" in Continental Morse, followed by two letters; in California (in the sixth district) the figure "six" followed by two letters; in South Carolina the figure "four" followed by two letters; in Missouri the figure "nine" followed by two letters, etc. The letters X, Y, Z, are not used as the first of the two letters.

The territory of each district is as follows:

- 1. Boston, Mass.........Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut.
- 2. New York, N. Y...... New York (county of New York, Staten Island, Long Island, and counties on the Hudson River to and including Albany, Rensselaer, and Schenectady), and New Jersey (counties of Bergen, Passaic, Essex, Union, Middlesex, Monmouth, Hudson, and Ocean).
- 3. Baltimore, Md.......New Jersey (all counties not included in second district),
  Pennsylvania (counties of Philadelphia, Delaware, all
  counties south of the Blue Mountains, and Franklin
  County), Delaware, Maryland, Virginia, District of
  Columbia.
- 4. SAVANNAH, GA.......North Carolina, South Carolina, Georgia, Florida, Porto Rico.
- New Orleans, La.....Alabama, Mississippi, Louisiana, Texas, Tennessee, Arkansas, Oklahoma, New Mexico.
- 6. San Francisco, Cal... California, Hawaii, Nevada, Utah, Arizona.
- 7. SEATTLE, WASH.....Oregon, Washington, Alaska, Idaho, Montana, Wyoming.
- 8. Detroit, Mich......New York (all counties not included in second district),
  Pennsylvania (all counties not included in third district),
  West Virginia, Ohio, Michigan (Lower Peninsula).
- 9. CHICAGO, ILL......Indiana, Illinois, Wisconsin, Michigan (Upper Peninsula),
  Minnesota, Kentucky, Missouri, Kansas, Colorado, Iowa,
  Nebraska, South Dakota, North Dakota.
- (b) The three items—a given figure first, followed by two letters of the alphabet—thus may be combined in 598 different calls.
- (c) Radio inspectors insert amateur station calls in station licenses according to this system, and keep a permanent chart of 598 squares, lettered with the alphabet from left to right and from top to bottom (A to W), inserting in the appropriate square the serial license number and name of owner of the station to which the

call letters are awarded. Within these limitations radio inspectors will use their discretion in the award of calls, avoiding, of course, duplications.

- (d) When a station is abandoned and the license canceled, or if a license shall be forfeited for violation of law, the call assigned to it may be allotted to another station.
- (e) When the entire 598 calls have been exhausted, radio inspectors will issue additional calls, consisting of the figure of the district followed by three letters. From such combinations will be excluded the combinations SOS and PRB, all three-letter combinations beginning with QR or QS, all combinations involving the repetition of the same letter three times, three-letter combinations beginning with K, N, W, X, Y, Z, and other combinations, which, for various reasons, international, national, local, or individual, may be objectionable. With such exclusions, over 10,000 calls will remain for each district.

#### LIMITED COMMERCIAL STATIONS.

5. Calls for limited commercial land stations are allotted by the Bureau of Navigation.

#### SPECIAL CLASSES OF STATIONS.

6. Calls for special classes of stations, such as experiment stations for the development of radio communication, technical and training school stations, and special amateur stations are allotted by the Bureau of Navigation.

The call will consist of three items—the number of the radio district, followed by two letters of the alphabet. The first letter will be: X, for experiment stations; Y, technical and training schools; Z, special amateur stations.

Twenty-six different combinations for each class in each district are possible. If more should prove necessary for any class in any district, a third letter will be added to the call.

#### RADIO STATIONS OF THE WORLD.

The International List of Radio Stations of the World (edition in English) can be procured from the International Bureau of the Telegraphic Union (Radiotelegraphic Service), Berne, Switzerland.

In addition to the information contained in the list of the United States stations, published by the Bureau of Navigation, the international list shows geographical locations, normal ranges in nautical miles, radio systems, and rates.

The international list includes the Government and commercial land and ship stations of the United States. The list is divided into

The first part contains a list of ship stations, grouped by countries and arranged alphabetically; the second part contains a list of land stations arranged in the same manner; and the third part contains tables of land line and cable charges from coast radio stations to inland and various other points. In computing the total word rate applicable to a radiogram from a ship station to an inland point, or vice versa, the three rates must be added. The rates in the international list are stated in francs and centimes. approximate purposes, 1 franc equals 20 cents and 5 centimes equal 1 cent. Supplements to the international list will be issued monthly, and will contain new stations and tables of alterations. A copy of the international list should be in every land and ship station open to commercial business as the official tariff book, and a copy of this list is required as a part of the equipment of every land station open to general public service and every ship station of the first or second class on American vessels engaged in foreign trade or the transoceanic service.

The International Alphabetical List of Call Letters (stations of the world) is also issued by the International Bureau at Berne, and supplements are issued monthly.

Neither the international list nor the supplements contain a list

of amateur stations.

Inquiries as to the subscription prices of these lists should be made direct to the Berne bureau at the address given above. Remittances to Berne should be made by international postal money orders.

E. T. CHAMBERLAIN, Commissioner of Navigation.

Approved:

A. L. Thurman,

Acting Secretary.

# LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[This list includes Government and commercial land stations only.]

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Akron, Ohio	woi	300, 600, 2070.	PR	8 a. m. to 4.30 p. m.	Goodyear Tire & Rubber Co.
Akutan, Alaska	KMW	300, 525, 600	PR	X	North Pacific Sea Products Co.
Albina, Oreg. See Portland, Oreg. (KGN).					Troducts co.
Alockanok River, Alaska.	KML	300, 500, 600	P	X	North Alaska Sal- mon Co.
Anchorage, Alaska.	NZY	300, <i>600</i> , 750, 1000.	0	X	Alaska Engineering Commission.
Anderson (steam- ship), Fort Mon- roe, Va.	WZM		O		U. S. Army.
Annapolis, Md	NAK		0	8 a. m. to 10 p. m.	U. S. Navy.
Arlington, Radio, Va. See Washington, D. C.				- P	
Ashtabula, Ohio	WSA	300, 550, 600	PG	(1)	Marconi Co.
Astoria, Oreg	KPC	300, <i>600</i> , 1800 3100, 3800.	$\left\{ egin{array}{l} \mathbf{PG} \\ \mathbf{PR} \end{array} \right\}$	) N	Marconi Co.
Avalon, Cal	KPI	300, 530, 600	PR	7 a. m. to	Marconi Co.
Balboa, Panama	NPJ	600	PG	8 p. m.	U. S. Navy.
Baltimore, Md	WBS	300, 550, 600	PG	6 a. m. to	Marconi Co.
Beaufort, N. C	NAN		o	midnight. N	U. S. Navy.
Belmar, N. J Benton Harbor,	WII	300, 500, 600	PR	X	Marconi Co. Graham & Morton
Mich. Binghamton, N. Y	WBT	1610	PR	x	Transp. Co. D., L. & W. R. R.
Bolinas, Cal	KET	6100	PR	N	Co. Marconi Co.
Boston, Mass	WCH	300, 600, 1610, 2000, 2400, 2800.	P	· X	Nat. Elec. Signal- ing Co.
Boston, Mass Boston, Mass Bremerton, Wash. See Puget Sound.	WBF NAD	300, 600	0	N N	Marconi Co. U. S. Navy.
Brooklyn, N. Y	WCG	300, 550, 600, 1650, 2600.	{ PG PR	} (2)	Nat. Elec. Signal- ing Co.
Brooks, Alaska	KIZ	300, 600		ļ	Alaska Wireless
Brownsville, Tex Buckroe (steam- ship), Fort Mon- roe, Va.	WUZ WZL	1000	О	x	Telegraph Co. U. S. Army. U. S. Army.

<sup>&</sup>lt;sup>1</sup> 7.30 a. m. to 11.30 a. m.; 12.30 p. m. to 5 p. m.

<sup>&</sup>lt;sup>2</sup>4 a. m. to 8 a. m.; 5 p. m. to 9 p. m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

		<del></del>	<del></del>	1	1
Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Buffalo, N. Y	WBL	300, 500, 600	PG	(1)	Marconi Co.
Burrwood, La	$\mathbf{w}\mathbf{b}\mathbf{w}$	300, 600, 2200.	PG   PR	(²)	Tropical Radio Telegraph Co.
Calumet, Mich	WCM	300, 500, 600	PG	(*) X	Marconi Co.
Canton, Ohio	WQP	500	P	X	Henry L. Ley.
Cape Blanco, Oreg Cape Cod, Mass. See North Truro, Mass.	NPF	600	PG	N	U. S. Navy.
Cape Hatteras (Bux-	WHA	300, 550, 600	{ PG PR	) N	Marconi Co.
ton), N. C. Cape May, N. J	WCY	300, 550, 600	PG	) N	Marconi Co.
Cape St. Elias,   Alaska.	NLQ	600, 800, 1000, 1200.	PG	· <b>X</b>	U. S. Bureau of Lighthouses.
Cavite, P. I	NPO		O	N N	U. S. Navy.
Charleston, S. C		600	PG PG	ls .	U. S. Navy.
Chicago, Ill	WGO	300, 500, 600	PR	(4)	Marconi Co.
Chignik, Alaska	KHC	300, 500, <i>600</i> , 1610.	PR	X	Alaska Packers' Association.
Circle City, Alaska. Clarks Point, Alaska.	WVA KHG	600, 1400 300, 400, 500,	O PR	x	U. S. Army. Alaska Packers'
Clareland Ohio	wex	600.	PG	(5)	Association. Marconi Co.
Cleveland, Ohio Colon, Panama	NAX	300, 500, 600 600	PG	(5) N	U. S. Navy.
Colorado Springs, Colo.	KIY	300, 425	PŘ	x	Herbert C. Colburn.
Conneaut Harbor, Ohio.	WEV	300, 475, 540, 600.	PR	• X	Marquette & Bessemer Dock & Nav. Co.
Cordova, Alaska Corregidor Isld., P.I. See Fort Mills.	NPA	600	PG	N	U. S. Navy.
Cuyo, P. I	WVX	600, 1200	PG	7 a. m. to 6.15 p. m.	Insular Govt., Phil- ippine Islds.
Daly City, Cal. See Hillcrest.				_	
Darien, Panama	NBA	• • • • • • • • • • • • • • • • • • • •	0	_ N	U. S. Navy.
Davao, Mindanao Isld., P. I.	wvo	600, 1200	PG	7 a. m. to	U. S. Army.
Davenport, Iowa	WPT	500	PR	6 p. m. X	Western Flour Mill Co.
Denver, Colo Detroit, Mich. (WDR). See River	KIX	300, 575	PR	X	William H. Smith.
Rouge, Mich. Detroit, Mich	WOK	300, 600, 2160.	PR	8.30 a. m. to 4.30	Goodyear Tire & Rubber Co.
Diamond Shoals Lightship (off Cape Hatteras,	NLB	• • • • • • • • • • • • • • • • • • • •	0	p. m. 6 a. m. to 10 p. m.	U. S. Navy.
N. C.). D., L. & W. R. R. limited train.	WBI		•••••		D., L. & W. R. R. Co.

<sup>&</sup>lt;sup>1</sup> Apr. 15 to June 2 and Sept. 16 to Dec. 15: 1 a. m. to 7 a. m.; 7 p. m. to midnight. June 3 to Sept. 15: 1 a. m. to 6 a. m.; 7 a. m. to noon; 1 p. m. to 6 p. m.; 7 p. m. to midnight.

<sup>2</sup> 7 a. m. to 7.05 a. m.; 9 a. m. to 9.05 a. m.; 11 a. m. to 11.05 a. m.; 2 p. m. to 2.05 p. m.; 4 p. m. to 4.05 p. m.; 7 p. m. to 7.05 p. m.

<sup>3</sup> 2 a. m. to 7 a. m.; 8 a. m. to 1 p. m.; 2 p. m. to 7 p. m.; 8 p. m. to 1 a. m.

<sup>4</sup> 12.30 p. m. to 7 p. m.; 8 p. m. to 11.30 p. m.; 12.30 a. m. to 7 a. m.; 8 a. m. to 11.30 a. m.; when lake is open to navigation.

<sup>&</sup>lt;sup>5</sup> 9 a. m. to noon; 12.30 p. m. to 8 p. m.; 9 p. m. to 11 p. m.; 12 midnight to 8 a. m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

	1	1	<del></del>	1	Ī
Station	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Douglas, Ariz	KDC	300, 600	P	(1)	Copper Queen Consolidated Mining Co.
Dover, N. J	WBX				D., L. & W. R. R.
Duluth, Minn Dutch Harbor, Alaska.	WDM NPR	300, 500, 600 600	PG PG	(2) N	Marconi Co. U. S. Navy.
East San Pedro, Cal	KPJ	300, 500, 600	{ PR PG	} N	Marconi Co.
Egegak, Alaska	KMF	300, 500, 600	PŘ	, x	North Alaska Sal- mon Co.
Ensenada, P. R	WPR	300, 600, 1610.	$\left\{egin{array}{l} \mathbf{PR} \\ \mathbf{PG} \end{array}\right.$	} (3)	Guanica Centrale.
Eureka, Cal Eureka, Cal	KPM NPW	300, 600	PG PG	(4) N	Marconi Co.
Fairbanks, Alaska	WVB	600, 1400	PĞ		U. S. Navy.
Farallons, Cal	NPI.		ō	N	U. S. Army. U. S. Navy.
Fire Island, N. Y	NAG		0	N	U. S. Navy.
Fort Adams, R. I	WUU	1200	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Andrews, Mass.	WUA		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Barrancas, Fla.	WZD	1200	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Caswell, N. C	WUT	825	0	6 a. m. to 10 p. m.	U. S. Army.
Fort · Constitution, N. H.	WZE	825	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Crockett, Tex.	WUX	1200	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Dade, Fla	WZK	825	b	6 a. m. to 10 p. m.	U. S. Army.
Fort De Russy, Honolulu, Hawaii.	WZG		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Drum, El Fraile Isld., Manila Bay, P. I.	WVP		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Egbert, Alaska.	wvc	600, 1400	О		U. S. Army.
Fort Frank, Carabao Isld., Manila Bay, P. I.	WVL		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Gibbon, Alaska.	WVD	1600, 2000	0		U. S. Army.
Fort Hancock, N. J.	wub		ŏ	6 a. m. to 10 p. m.	U. S. Army.
Fort H. G. Wright, N. Y.	wuc		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Howard, Md	"WZB	1200	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Hughes, Caballo Isld., Manila Bay, P. I.	WVM		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Leavenworth, Kans.	WUD	1800	О		U. S. Army.
Fort Leavenworth, Kans. (Army Sig- nal School).	wuv		0		U. S. Army.

 <sup>10</sup> a. m. to 11 a. m.; 4 p. m. to 5 p. m.
 1 a. m. to 7 a. m.; 8 a. m. to noon; 1 p. m. to 7 p. m.; 8 p. m. to midnight
 3 Week days, 8 a. m. to noon; 2 p. m. to 5 p. m.; Sundays, 9 a. m. to noon.
 4 8.30 a. m. to 6 p. m.; 7.30 p. m. to 5 a. m.



LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by
Fort Levett, Me	WUE		0	6 a. m. to	U. S. Army.
Fort Mills, Corregidor Isld., Manila	WVN		PG	10 p. m. 6 a. m. to 10 p. m.	U. S. Army.
Harbor, P. I. Fort Mills, Corregider Islands, Manila Bay, P. I.	wvz	600, 825	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Monroe, Va	WUF		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Monroe, Va. (Coast Artillery School).	WUG		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Morgan, Ala	WFM	300, 445, 600	PR	} (¹)	Marconi Co.
Fort Morgan, Ala	WUR	1200	o	6 a. m. to	U. S. Army.
Fort Moultrie, S. C	WZF	825	О	10 p. m. 6 a. m. to 10 p. m.	U. S. Army.
Fort Riley, Kans Fort Rosecrans, Cal.	WUI WUS	1200 1200	0	6 a. m. to	U. S. Army. U. S. Army.
Fort Sam Houston,	WUJ	650	o	10 p. m.	U. S. Army.
Tex. Fort San Jacinto,	WUY	1200	o	6 a. m. to	U. S. Army.
Tex. Fort Screven, Ga	WZA	1200	О	10 p. m. 6 a. m. to	U. S. Army.
Fort Stevens, Oreg	WUK		О	10 p. m. 6 a. m. to	U. S. Army.
Fort St. Michael,	WVE	600, 1200	PG	10 p. m. 9 a. m. to 9 p. m.	U. S. Army.
Fort Terry, N. Y	WUW	1200	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Totten, N. Y	WUL		0	6 a. m. to 10 p. m.	U. S. Army.
FortWhitman, Wash.	WZC	1200	o	6 a. m. to	U. S. Army.
Fort Winfield Scott, Cal.	WUO.		0	10 p. m. 6 a. m. to 10 p. m.	U. S. Army.
Fort Wint, Grand Isld., Manila Bay, P. I.	WVR		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Wm. McKinley, Luzon Isld., P. I.	wvq	600	0		U. S. Army.
Fort Wood, N. Y Fort Worden, Wash	WUM WUN	•••••	O PG	6 a. m. to	U. S. Army. U. S. Army.
Frankfort, Mich Frying Pan Shoals Lightship(off Cape Fear, N. C.).	WFK NLC	300, 500, 600	PG O	10 p. m. (2) 6 a. m. to 10 p. m.	Marconi Co. U. S. Navy.

<sup>&</sup>lt;sup>1</sup> For general public service, 7.10 a. m. to 7.20 a. m.; 7.40 a. m. to 7.50 a. m.; 8.10 a. m. to 8.20 a. m.; 8.40 a. m. to 8.50 a. m.; 9.10 a. m. to 9.20 a. m.; 9.40 a. m. to 9.50 a. m.; 10.10 a. m. to 10.20 a. m.; 10.40 a. m. to 10.50 a. m.; 11.10 a. m. to 11.20 a. m.; 11.40 a. m. to 11.50 a. m.; 12.10 p. m. to 12.20 p. m.; 2.10 p. m. to 2.20 p. m.; 3.40 p. m. to 2.50 p. m.; 3.10 p. m. to 3.20 p. m.; 3.40 p. m. to 3.50 p. m.; 4.10 p. m. to 4.20 p. m.; 4.40 p. m. to 4.50 p. m.; 5.10 p. m. to 5.20 p. m.; 5.40 p. m. to 5.50 p. m.; 6.10 p. m. to 6.20 p. m. For limited public service, 7 a. m. to 7.10 a. m.; 7.30 a. m. to 7.40 a. m.; 8 a. m. to 8.10 a. m.; 83.0 a. m. to 8.40 a. m.; 9a. m. to 9.10 a. m.; 10 a. m. to 10.10 a. m.; 10.30 a. m. to 11.40 a. m.; 11.30 a. m. to 11.40 a. m.; 12 noon to 12.10 p. m.; 2 p. m. to 2.10 p. m.; 2.30 p. m. to 2.40 p. m.; 3 p. m. to 3.10 p. m.; 3.30 p. m. to 3.40 p. m.; 4 p. m. to 4.10 p. m.; 4.30 p. m. to 4.40 p. m.; 5 p. m. to 5.10 p. m.; 5.30 p. m. to 5.40 p. m.; 6 p. m. to 8.10 p. m.; 28 a. m. to noon; 1 p. m. to 7 p. m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Galveston, Tex Grand Haven, Mich.	WGV WGH	300, 500, 600 300, 500, 600	PG PG	(1) (2) N	Marconi Co. Marconi Co.
Great Lakes, Ill Guam, Marianne	NAJ NPN	300, 600, 1000. 300, 600	O PG	N N	U. S. Navy. U. S. Navy.
Islds. Guantanamo Bay,	NAW	800	PG	N	U. S. Navy.
Cuba. Hales Creek, Alaska.	KMT	300, 600, 2000.	P	x	North Alaska Sal mon Co.
Hatteras, N. C. See Cape Hatteras.					<b>Mon</b> 00.
Heald Bank Light- ship, off Galves- ton, Tex.	NLP	300, 600	0	8 a. m. to 10 p. m.	U. S. Navy.
Heeia Point, Hawaii.	кнх	300, 600, 3000, 8000, 9300, 10600.	PG	N	Federal Telegraph Co.
Hillcrest, Cal Hoboken, N. J	KPH WBU	300, 530, 600 2240	PG PR	N X X	Marconi Co. Marconi Co.
Hollister, Cal Honolulu, Hawaii. See Pearl Harbor, Hawaii.	KGH	300, 600, 1650.	PR	$\overline{\mathbf{x}}$	Palmer B. Hewlett
Iditarod, Alaska	KIV	500	PR	9 a. m. to	Alaska Wireless Tel- egraph Co.
Indianhead, Md Inglewood, Cal	NBG KFZ	300, 600, 750 300, 600, 3300, 4000.	O PR	7 p. m. X 9 a. m. to 6 p. m.	egraph Co. U. S. Navy. Federal Telegraph Co.
Isle Royal, Mich Jacksonville, Fla Jolo, Jolo Isld., P. I.	WRO WJX WVS	300, 600 300, 450, 600, 600.	PG PG	(3) 7 a. m. to 5.15 p. m.	Marconi Co. Marconi Co. Insular Govt., Phil- ippine Islds.
Jualin, Alaska	KJA	300, 500, <i>600</i> , 1980.	PG	(1)	Marconi Co.
Juneau, Alaska	KDU	300, <i>600</i> , 1800, 3100.	PG	N	Marconi Co.
Jupiter, Fla Kahuku, Hawaii. See Koko Head.	NAQ		0	N	U. S. Navy.
Kaunakakai, Hawaii	кно	300, 450, 600	$\mathbf{PR}$	( <sup>5</sup> )	Mutual Telephone Co. (Ltd.).
Kawaihae, Hawaii	KHN	300, 575, 600	$\mathbf{PR}$	( <sup>5</sup> )	Mutual Telephone Co. (Ltd.).
Ketchikan, Alaska	KPB	300, <i>600</i> , 1800, 3100.	PG	N	Marconi Co.
Key West, Fla Kodiak, Alaska Koggiung, Alaska	NAR NPS KHB	600	PG PG PR	N N X	U. S. Navy. U. S. Navy. Alaska Packers' As-
Koggiung, Alaska	KVV	300, 450, 600	PG	6.30 p. m. to 9.30 p. m.	sociation. Alaska Fishermen's Packing Co.
Koko Head, Hawaii. Koko Head, Hawaii. Kotlik, Alaska	KHJ KIE WVF	6200 600	PR PR PG	N (°) X	Marconi Co. Marconi Co. U. S. Army.
Kvichak, Alaska	KMT	300, 600, 2000.	PR	X	North Alaska Sal- mon Co.

<sup>1 7</sup> a. m. to 12 noon; 1 p. m. to 2 a. m.
2 7 a. m. to 11 a. m.; 8 p. m. to 11 p. m.
8 6 a. m. to 8 a. m.; 10 a. m. to 1 p. m.; 4 p. m. to 7 p. m.
4 8.30 a. m. to 8.45 a. m.; 1.30 p. m. to 1.45 p. m.; 7.30 p. m. to 7.45 p. m.
5 7 a. m. to noon; 1 p. m. to 5.30 p. m.
6 9 a. m. to 9 p. m. during season of navigation only.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Kvichak, Alaska	KML	300, 500, 600	P	x	North Alaska Sal-
Lahaina, Hawaii	KHL	300, 575, 600	PR	(¹)	mon Co. Mutual Telephone
Larsen Bay, Alaska	КНА	300, 500, 600, 1610.	PR	x	Co. (Ltd.). Alaska Packers' Association.
Lents, Oreg Lihue, Hawaii	KFU KHM	300, 575, 600	PR PR	(¹)	Federal Tel. Co. Mutual Telephone Co. (Ltd.).
Los Angeles, Cal	KEX	300, 600	P	9 a. m. to 5 p. m.	Marconi Co.
Los Angeles, Cal	KLS	300, 600, 1800, 2800, 3250.	{ PG PR	4 a. m. to 10 p. m.	Federal Telegraph
Ludington, Mich	WLD	300, 500, 600	PG	) 10 p. m.	Marconi Co.
Mackinac Island, Mich.	WHQ	300, 500, 600	PG	\as\	Marconi Co.
Malabang, Mindanao Isld., P. I.	WVT	600, 1200	PG	7 a. m. to 7.30 p. m.	Insular Govt., Philippine Islds.
Manila, P. I	WVU	600	0	l <b></b>	U.S. Army.
Manistique, Mich	WMX	300, 500, 600	PG	(4) (5)	Marconi Co.
Manitowoc, Wis Mare Island, Cal. See San Francisco, Cal.	WMW	300, 500, 600	PG	(5)	Marconi Co.
Marshall, Cal. See Bolinas, Cal.			1		1
Marshfield, Oreg	KPX	300, 600	PG	8 a. m. to	Marconi Co.
Metha Nelson (steam- ship), Bristol Bay, Alaska.	KMP	300, 500, 600	PR	6 p. m. X	Alaska Packers' Association.
Miami, Fla	WST	300, 450, 600	PG	N	Marconi Co.
Milwaukee, Wis	WME	300, 500, 600	PĞ	(9)	Marconi Co.
Mobile, Ala	WMB	300, 445, 600	{ PG PR	} (7)	Marconi Co.
Mount Vernon, Ohio	WQV	500	P	X X	Bunyan J. Hyatt.
Naknek, Alaska	KHT	300, 500, 600, 1610.	PR	X	Alaska Packers' As- sociation.
Naknek, Alaska	KMK	300, 500, 600	P	X	Naknek Packing Co.
Nantucket Shoals Lightship (off Newport, R. I.).	NLA		0	4 a. m. to midnight.	U. S. Navy.
Navassa Island, West Indies. New Brunswick, N. J. See Bel- mar, N. J.	WQN		• • • • •		Snare & Triest Co.

<sup>17</sup> a. m. to noon; 1 p m. to 5.30 p. m.
27 a. m. to 11 a. m.; noon to 6 p. m.; 8 p. m. to 1 a. m.; 2 a. m. to 7 a. m.
3 Sept. 16 to Oct. 1, and June 7 to June 30, sunset to sunrise; July 1 to Sept. 15, 7. a. m. to noon; 1 p. m.
to 6 p. m.; 7 p. m. to 12 p. m.; 1 a. m. to 6 a. m.
48 a. m. to 11 a. m.; 2 p. m. to 5 p. m.; 7 p. m. to 9 p. m.
58 a. m. to 11 a. m.; 2 p. m. to 5 p. m.; 7 p. m. to 8 p. m.
68 a. m. to 10 n. m.; 1 p. m. to 5 p. m.; 7 p. m. to 8 p. m.
7 For general public service, 7.10 a. m. to 7.30 a. m.; 7.40 a. m. to 8 a. m.; 8.10 a. m. to 8.30 a. m.; 11.40 a. m. to 12 noon; 2.10 p. m. to 2.30 p. m.; 2.40 p. m. to 3 p. m.; 3.10 p. m. to 3.30 p. m.; 3.40 p. m. to 4 p. m.; 4.10 p. m. to 4.30 p. m.; 4.40 p. m. to 5 p. m.; 5.10 p. m. to 5.30 p. m.; 5.40 p. m. to 6 p. m. For limited public service, 7 a. m. to 7.10 a. m.; 7.30 a. m. to 7.40 a. m.; 8 a. m. to 8.10 a. m.; 8.30 a. m. to 8.40 a. m.; 9 a. m. to 9.10 a. m.; 10 a. m. to 10.10 a. m.; 10.30 a. m. to 10.40 a. m.; 11 a. m. to 11.00 a. m.; 11.30 a. m. to 11.40 a. m.; 12 p. m. to 2.10 p. m.; 2.30 p. m. to 2.40 p. m.; 3 p. m. to 3.30 p. m.; 3.30 p. m. to 3.40 p. m.; 4 p. m. to 4.10 p. m.; 4.30 p. m. to 4.40 p. m.; 5 p. m. to 5.10 p. m.; 5.30 p. m. to 5.40 p. m.; 6 p. m. to 6.10 p. m.; 6 p

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by-
New London, Conn New London, Conn	NRZ WLC	300, 600 300, 510, 600, 1610.	¹ O PG	X 8 p. m. to 4 a. m.	U. S. C. G. T. A. Scott Co.
New Orleans, La	NAT WHK	300, 600	O PG	8 a. m. to 10 p. m.	U. S. Navy.  Marconi Co.
New Orleans, La	WNU	300, 600, 1800,	PR	) N	Tropical Radio Tel-
Newport, R. I	NAF WCI	1850. 300, 550, 600.	PG PG	J	egraph Co. U. S. Navy.
New Prague, Minn	WPU	500	PR	7 p. m. to 5 a. m. X	Nat. Elec. Signal- ing Co. New Prague Flour
Newton, Mass	WLN	300, <i>600</i> , 1650, 2000.	P	x	Milling Co. Ralph C. Emery.
New York, N. Y New York, N. Y New York, N. Y New York, N. Y	NAH WHB WHI WNT	300, 600, 1610. 300, 600 300, 600	O PG PG PG	N N N (³)	U. S. Navy. N. Y. Herald Co. Marconi Co. Atlantic Communi-
Nome, Alaska Norfolk, Va North Head, Wash North Truro, Mass Nulato, Alaska Nushagak, Alaska	WVG NAM NPE NAE WVH KMG	600, 2000	PG O PG O O PR	N N N N	cation Co. U. S. Army. U. S. Navy. U. S. Navy. U. S. Navy. U. S. Army. North Alaska Sal-
Oakland, Cal Olongapo, P. I Passagrille, Fla Pearl Harbor, Hawaii.	KGI NPT WRG NPM	300, 500, 600	P O PG O	X N X N	mon Co. Ellery W. Stone. U. S. Navy. C. A. Brown. U. S. Navy.
Peking, China Pensacola, Fla Petersburg, Alaska	NPP NAS WVI	600	O PG PG	N N 9 a. m. to	U. S. Navy. U. S. Navy. U. S. Army.
Philadelphia, Pa	WHE	300, 600, 1650.	PG	9 p. m. 9 s. m. to 5.30 p. m.	Marconi Co.
Philadelphia, Pa Phoenix, Ariz	NAI KHQ	3000, 3400	O PR	N 6 a. m. to	U. S. Navy. Federal Telegraph
Point Arguello, Cal Point Isabel, Tex Port Arthur, Tex Portland, Me	NPK NAY WRU NAB	300, 600	PG PG O	6 p. m. N (4) 8 a. m. to	Co. U. S. Navy. U. S. Navy. Marconi Co. U. S. Navy.
Portland, Oreg	KGN	300, 600, 1700.	PR	10 p. m. X	Northwestern Elec- tric Co.
Portland, Oreg	KDP	200, 300, 425, 550, 600.	PR	X	Charles L. Austin.
Port Moller, Alaska	KWR	300, 450, <i>600</i> , 1610.	PG	6.30 p. m. to 9.30	Pacific - American Fisheries.
Port Royal, S. C Portsmouth, N. H	NAV NAC		0	p. m. N N	U. S. Navy. U. S. Navy.

This station will accept general public service in emergencies when open.
 7.05 a. m. to 8 a. m.; 10 a. m. to 10.25 a. m.; 10.45 a. m. to 10.55 a. m.; 1 p. m. to 1.20 p. m.; 3 p. m. to 4 p. m.; 5 p. m. to 5.30 p. m.; 6 p. m. to 6.30 p. m.; 8 p. m. to 8.55 p. m.; 10 p. m. to 11 p. m.
 39 a. m. to 5 p. m., except Sundays and holidays.
 6.30 a. m. to noon; 12.30 p. m. to 6 p. m.; 6.30 p. m. to 8.30 p. m.

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LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Providence, R. I Puerto Princesa, Paragua, P. I. Puget Sound, Wash	WPF WVV NPC	300, 425, 600	PR PG	X 7 a. m. to 6 p. m.	Dutee W. Flint. Insular Govt., Phil- ippine Islds. U. S. Navy.
Relief Lightship No. 66 or No. 85.	NLD	300, 600	PG	•••••	U. S. Navy.
Relief Lightship No. 71 or No. 72.	NLE	300, 600	PG	•••••	U. S. Navy.
Relief Lightship No. 94 or No. 53.	NLG	300, 600	PG		U. S. Navy.
Rialto, Cal	KJR	300, 600, 1610.	PR	X	Southern Califor- nia Edison Co.
River Rouge, Mich	WDR	300, 500, 600	$\left\{ egin{array}{l} \mathbf{PG} \\ \mathbf{PR} \end{array} \right\}$	} (¹)	Marconi Co.
Roche Harbor, Wash.	KRW	300, 600, 1800.	`PG	(²)	Tacoma & Roché Harbor Lime Co.
Sagaponack, N. Y San Diego, Cal	WSK KSD	300, 600 300, 600, 1800, 2800.	PG {PG PR	X }4 a. m. to 8 p. m.	Marconi Co. Federal Telegraph Co.
San Diego, Cal	NPL NPH	600	PG	N	U. S. Navy. U. S. Navy.
San Francisco, Cal San Francisco, Cal	KFS	300, <i>600</i> , 1800, 3000, 3500.	$\left\{egin{array}{l} \mathbf{PR} \\ \mathbf{PG} \end{array}\right\}$	N 7 a. m. to 7 p. m.	Federal Telegraph Co.
San Jose, Mindoro Isld., P. I.	WVY	600	PĞ	7 a. m. to 6.15 p. m.	Insular Govt.,Phil- ippine Islds.
San Juan, P. R San Pedro, Cal. See East San Pedro. Sault Ste. Marie,	NAU	600	PG	Ň	U. S. Navy.
Mich	WSI	450			Marconi Co.
Savannah, Ga	wsv	300, 500, 600	PG	6 a. m. to midnight.	Marconi Co.
Sayville, N. Y	WSL	3900, 4700, 5200, 6300, 7800, 9400.	PR	N	(3)
Scranton, Pa	WTP	• • • • • • • • • • • • • • • • • • • •	,		D., L. & W. R. R. Co.
Sea Gate, N. Y	WSE	300, 600	PG PG	N	Marconi Co.
Seattle, Wash	KPA	1700, 3100.	(PR	N	Marconi Co.
Seattle, Wash	KPE	300, 525, 600	$\left\{ egin{array}{l} \mathbf{PR} \\ \mathbf{PG} \end{array} \right.$	} (4)	City of Seattle (Harbor Dept.).
Siasconset, Mass	WSC NPB	300, 600	PG PG	N	Marconi Co.
Sitka, Alaska Snag Point, Alaska.	KHF	300, 400, 500, 600.	PR	N X	U. S. Navy. Alaska Packers' Association.
South San Francisco, Cal.	KSS	300, 600, 1800, 5000, 8000, 10000.	PR PG	} N	Federal Telegraph Co.
South Wellfleet, Mass.	wcc	300, 600, 2100.	`PG	х	Marconi Co.
St. Augustine, Fla	NAP	600	PG	N X	U. S. Navy.
St. George, Pribilof Islds., Alaska.	NPY		0		U. S. Navy.
St. Paul, Pribilof Islds., Alaska.	NPQ	600	PG	N	U. S. Navy.

 $<sup>^1</sup>$  7 a. m. to 11.30 a. m.; 12.30 p. m. to 6 p. m.; 7 p. m. to 11 p. m.; 12 midnight to 6 a. m.  $^2$  8 a. m. to 10 a. m.; 3 p. m. to 5 p. m.; 8 p. m. to 10 p. m.  $^3$  Station owned by Atlantic Communication Co. and operated temporarily by the U. S. Navy.  $^4$  8 a. m. to noon; 1 p. m. to 5 p. m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-Continued.

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Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
St. Petersburg, Fla.	WIX	300, 395, 600.	PR	(1) (2) N	C. C. Brown.
Tampa, Fla	WPD	300, 510, 600	PG	(2)	Marconi Co.
Tatoosh, Wash	NPD	600	PG	N	U. S. Navy.
Teller, Alaska	KWT		PR	• • • • • • • • • • • • • • • • • • • •	Max R. Hirsch-
Tuckerton, N. J	WGG	8600	PR	N	berg. (3)
Tutuila, Samoa	NPU	600	PG		U. S. Navy.
Ugashik, Alaska	KMU	300, 500, 600	PR	X	Red Salmon Can-
Underwood, Wash	KGO	300, 600, 1700.	PR	x	ning Co. Northwestern Elec. Co.
Victor, Colo	KIW	575	PR	(4)	Ajax Gold Mining
Virginia Beach, Va	WSY	300, 550, 600	PG	N	Marconi Co.
Wahiawa, Hawaii	KHK	300, 575, 600	PG PR	) N	Mutual Telephone Co. (Ltd.).
Washington, D. C. (Arlington).	NAA		o	N	U. S. Navy.
Washington, D. C. (Navy Yard).	NAL		0	N	U. S. Navy.
Washington, D. C. (Capitol).	NZW	250, 650, 1000.	0	X	Supt. U. S. Capitol Building and Grounds.
Washington, D. C. (Army Signal	WUP		0		U. S. Army.
Corps Laboratory). Washington, D. C. (Bureau of Stand-	WUQ		o		U. S. Army.
ards). Wrangell, Alaska	MA1	300, 600	PG	9 a. m. to 9 p. m.	U. S. Army.
Yerba Buena, Cal	NPG		0	N	U. S. Navy.
Zamboanga, Minda- nao Isld., P. I.	WVW	600, 1200	PG	7 a. m. to 7.30 p. m.	Insular Govt., Phil- ippine Islds.

 <sup>8</sup> a. m. to 11 a. m.; 1 p. m. to 5 p. m.: 7.30 p. m. to 8 p. m.
 5 a. m. to 8 a. m.; 10 a. m. to 1 p. m.; 4 p. m. to 7 p. m.
 Station owned by Atlantic Communication Co. and operated temporarily by the U. S. Navy.
 9 a. m. to 11.30 a. m.; 7.30 p. m. to 11 p. m.

# SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS.

[This list includes stations on Government vessels, merchant vessels, and yachts.]

Vessel.	Call signal,	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Abangarez	KDI	300, 600	PG	Abangarez S. S. Corp.	dio Tele-
AbarendaAchilles	NOB KPT	600 300, 600	PG	Government Maryland Steel Co	graph Co. U. S. Navy.
Acme	KIJ	300, 600	PG	Standard Transp. Co.	Marconi Co.
Acushnet	NRU	300,600	PG	Government	U. S. C. G.
Adeline Smith	WHS	300, 600	PG	Inter-Ocean Transp.	Marconi Co.
Admiral Dewey	WAY	300, 600	PG	Pacific-Alaska Nav.	Vessel owner.
Admiral Evans	WAB	300,600	PG	do	Vessel owner.
Admiral Farragut	WAF	300,600	PG	do	Vessel owner.
Admiral Schley	WAZ	300,600	PG	do	Vessel owner.
Admiral Watson	WAW	300, 450,	PG	do	Vessel owner.
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	550, 600.	2.0		TODOCT OWNER.
Advance	KMV	300, 450, 550, 600.	PG	Panama R. R. Co	Vessel owner.
Ajax	NBH	300,600	PG	Government	U. S. Navy.
Alabama	WFB	300,600	PG	Goodrich Transit Co.	Marconi Co.
Alabama	KUN	300,600	PG	The Texas Co	Marconi Co.
Alabama	NBI	300,600	PG	Government	U. S. Navy.
Alamance	WKZ	300, 450,	PG	Garland S. S. Corp	Vessel owner.
Alameda	WAA	600. 300, 600	PG	Alaska S. S. Co	Vessel owner.
Alamo	KEJ	300,600	PG	Mallory S. S. Co	Marconi Co.
Alaska	WWS	300, 435,	PG	Alaska S. S. Co	Vessel owner.
		540, 600.	10		, coper owner.
Alaskan	WKA	300, 600	PG	American - Hawaiian S. S. Co.	Vessel owner.
Albany	NBJ	300,600	PG	Government	U. S. Navy.
Albatross	NQY	300,600	PG	do	U. S. Navy.
Alberta	KZA	300, 600,	PG	F. G. Bourne	Marconi Co.
Alert	NBL	1800. 300, 600	PG	Government	U. S. Navy.
Algonquin	KVG	300, 600	PG	Clyde S. S. Co	Marconi Co.
Algonquin	NRA	300, 600	PG	Government	U. S. C. G.
Alicia	KZB	300, 600	PG	Alfred I. du Pont	Vessel owner.
Al-Ki	WNK	300, 600	PG	Border Line Transp.	Marconi Co.
		300, 000		Co.	
Alliança	KMA	300, 450, 600.	PG	Panama R. R. Co	Vessel owner.
Alliance	WRV	300,600	PG	North Pacific S. S.	Marconi Co.
Almirante	KLD	300,600	PG	Almirante S. S. Corp.	Tropical Ra- dio Tele-
Aloha	KYH	300, 450, 600.	PG	Arthur Curtiss James.	graph Co. Vessel owner.
Alvina	WEY	300,600	P	Thomas F. Cole	Vessel owner.
Amazonia	KOO	300, 450,	PG	R. Lawrence Smith.	Marconi Co.
		600.		(Inc).	The state of the s

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued. .

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line)	Station controlled by—
American	W.KF	300, 600	PG	American -Hawaiian S. S. Co.	Vessel owner.
Ammen	NBP	300,600	PG	Government	U. S. Navy.
Amphitrite	NHG	300,600		do	U.S. Navy.
Ancon	KMS	300, 400, 600.	PG	Panama R. R. Co	Vessel owner.
Androscoggin	NRD	300,600	PG	Government	U. S. C. G.
Ann Arbor No. 3	NBR WDN	300,600	PG PG	Ann Arbor R. R. Co.	U.S. Navy. Marconi Co.
Ann Arbor No. 4	WDO	300,600	PĞ	do	Marconi Co.
Ann Arbor No. 5	WDP	300,600	PĞ	do	Marconi Co.
Anne W	WMU	300,600	1	Hosford Transp. Co	Marconi co.
Antilla	KWD	300, 450, 600.	PG	New York & Cuba Mail S. S. Co.	Marconi Co.
Antilles	KKA	300, 450, 600.	PG	(Ward Line). Southern Pacific Co	Marconi Co.
Apache	KVA	300, 450, 600.	PG	Clyde S. S. Co	Marconi Co.
ApacheArapahoe	NRP KVB	300, 600 300, 450, 600 .	PG PG	Government Clyde S. S. Co	U. S. C. G. Marconi Co.
Arborean	WLS	300, 450, 600.	PG	American -Hawaiian S. S. Co.	Marconi Co.
Ardmore	KIA	300,600	PG	Standard Oil Co. of N. J.	Marconi Co.
ArethusaArgyll	NBU WTB	600 300, 600,	PG PG	Government Union S. S. Co.	U.S. Navy. Federal Tele-
		1800.	- 5.	(Union Oil Co.).	graph Co.
ArizonaArizonan	WFG WKB	300, 600 300, 600	PG PG	Goodrich Transit Co. American - Hawaiian S. S. Co.	Marconi Co. Vessel owner.
ArkansasAroline	NBV WRJ	300, 600 300, 600	PG PG	Government Pacific-Alaska Nav. Co.	U. S. Navy. Marconi Co.
Artisan	wkw	300, 450, 600.	PG	American -Hawaiian S. S. Co.	Marconi Co.
Ashtabula	WEZ	300,600	PG	Pennsylvania & On- tario Nav. Co.	Marconi Co.
Astral	KIQ	300, 450, 600.	PG	Standard Transporta- tion Co.	Marconi Co.
Asuncion	WTX	300,600	PG	Standard Oil Co. of Cal.	Marconi Co.
Atenas	KDK	300,600	PG	Atenas S. S. Corp	Tropical Radio Tele- graph Co.
Atlanta	KGR	300, 600		Cuba Improvement & S. S. Co.	Vessel owner.
Atlantic	KIK	300, 600	PG	New York Interocean & Coastwise S. S. Co.	Marconi Co.
Atlas	WTT	300, 450, 600.	PG	Standard Oil Co. of Cal.	Marconi Co.
AylwinAzaiea	NIH NLO	300, 600	PG 	Government	U. S. Navy. U. S. Dept. of Labor.
Aztec	KZC WWQ NLK	300, 600 300, 400, 600.	PG O	A. C. Burrage Pacific Mail S. S. Co. Government	Marconi Co. U. S. Dept. of Commerce.

### · Ship Radio Stations, Alphabetically by Names of Vessels-Continued.

Vessel.	Cell signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Bacoi	<b>KJ</b> U	300, 450, 600.	PG	Standard Oil Co. of N. J.	Marconi Co.
Bailey	NCF	300,600	PG	Government	U. S. Navy.
Bainbridge	NIA	300,600	PG	do	U. S. Navy.
Balch	NII	300, 600	PG	do	U. S. Navy. U. S. Navy.
Baltimore	NCH	300,600	PG	do	U. S. Navy.
Bantu	KLM	300, 600	PG	U. S. Steel Products Co.	Marconi Co.
Baton Rouge	KSG	300, 600	₽G	Standard Oil Co. of N. J.	Vessel owner.
Bayamon	KDX	300, 600	PG	Vacuum Oil Co	Marconi Co.
Bay State	KRE	300, 600	PG	Eastern S. S. Corp	Marconi Co.
Bayway	KSR	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Beale	NCL	300, 600	PG	Government	U.S. Navy.
Bear	NRB	300,600	PG	do	U. S. C. G.
Beaver	wwb	300, 600	PG	San Francisco & Port- land S. S. Co.	Marconi Co.
Belfast	KRD	300, 600	PG	Eastern S. S. Corp	Marconi Co.
Benham	NIJ	300, 600	PG	Government	U. S. Navy.
Berkshire	KQB	300, 600	PG	Merchants & Miners Transp. Co.	_
Berlin	WRB	300, 600	PG	Transp. Co. Alaska - Portland Packers' Assn.	Marconi Co.
Beverly	KND	300, 600	PG	Colonial Nav. Co	Nat. Elec. Sig- naling Co.
Birmingham	NCN	300, 600	PG	Government	U. S. Navy.
Boston	KXA	300, 550, 600.	PG	New England S. S. Co.	Nat. Elec. Sig- naling Co.
Brabant	KUU	300, 450, 600.	PG	The Texas Co	Marconi Co.
Bradford	KNG	300, 450, 600.	PG	Standard Oil Ço. of N. J.	Marconi Co.
Bramell Point	KRO	300,600	PG	Vacuum Oil Co	Marconi Co.
Brazos	KEZ	300, 600	PĞ	Mallory S. S. Co	Marconi Co.
Breakwater	WBK	300, 600	PĞ	Southern Pacific Co	Marconi Co.
Brilliant	KTI	300, 600	PĞ	Standard Transporta- tion Co.	Marconi Co.
Brindilla	KTZ	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
Brockton	KNH	300, 600	PG	Colonial Nav. Co	Nat. Elec. Sig- naling Co,
Brooklyn	NFA	300, 600	PG	Government	U. S. Navy.
Brunswick	KOS	300, 600	PĞ	Gulf & Southern S. S. Co.	Marconi Co.
Brutus	NNA	300, 600	PG	Government	U. S. Navy.
Buccaneer	KFO	300, 600		Freeport & Tampico Fuel Oil Transp.	Marconi Co.
Buenaventura	KWA	300, 600	PG	U. S. Steel Products	Marconi Co.
Buffalo	NCU	300, 600	PG	Government	U. S. Navv.
Buford	WXA	600	PĞ	do	U. S. Navy. U. S. Army.
Bunker Hill	KJB	300,600	PĞ	Eastern S. S. Corp	Marconi Co.
Burnside	WXR	600	0	Government	U.S. Army.
Burrows	NCV	300, 600	PG	ldo	U. S. Navy.
Cabrillo	WBV	300, 500, 600.	PG	Wilmington Transp.	Marconi Co.
C. A. Canfield Cacique	WIH WBE	300, 600 300, 600	PG	Petroleum Transp. Co W. R. Grace & Co	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

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Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Caddo	KSK	300, 450, 600.	PG	Standard Oil Co. of N. J.	Marconi Co.
Caesar	NCY KLC	300, 600 300, 600	PG, PG	GovernmentCalamares S. S. Corp.	U. S. Navy. Tropical Ra- dio Tele- graph Co.
CaliforniaCaliforniaCaliforniaCalifornia	KYQ NCZ WOR WKC	300, 600 300, 600 300, 600	PG PG PG	Mrs. Clara B. Stocker Government John A. Hooper American - Hawaiian	U. S. Navy. Marconi Co. Vessel owner.
Caloria	KSP	300, 600	PG	S. S. Co. Standard Ofl Co. of	Marconi Co.
Calvin Austin Camaguey	KRN KWI	300, 600 300, 450, 600.	PG PG	N. J. Eastern S. S. Corp New York & Cuba Mail S. S. Co. (Ward Line).	Marconi Co. Marconi Co.
CamdenCaminoCampana	KRC WQC KOM	300, 600 300, 600 300, 450, 600,	PG PG PG	Eastern S. S. Corp Barber & Co Standard Oil Co. of N. J.	Marconi Co. Marconi Co. Marconi Co.
Cape Cod Captain A. F. Lucas	KPW WTV	300, 600 300, 450, 600.	PG PG	F. H. Ely Standard Oil Co. of Cal.	Marconi Co. Marconi Co.
Captain A. M. Wetherill.	WYT	400	0	Government	U. S. Army.
Captain Gregory Barrett.	WYP	400	0	do	U. S. Army.
Captain Chas. W. Rowell.	WYI	400	0	do	U. S. Army.
Captain James Fornance.	WYM	400	0	do	U. S. Army.
Captain T. M. Mor- rison.	WYZ	1200	0	do	U. S. Army.
Caracas	KDB	<b>300,</b> <i>600</i>	PG	Atlantic & Carribean Steam Nav. Co. (Red D Line).	Marconi Co.
Carlos	WNC	300, 600	PG	Olson & Mahony S. S.	Vessel owner.
Carolina	WFE KGB	300, 600 300, 450, 600.	PG PG	Goodrich Transit Co. New York & Porto Rico S. S. Co.	Marconi Co. Marconi Co.
Carolinian	KJF	300, 600	PG	Export Leaf Tobacco	Marconi Co.
Carrillo	KDE	300, 600	PG	Carrillo S. S. Corp	Tropical Radio Telegraph Co.
Cartago	KDD	300, 600	PG	Cartago S. S. Corp	Tropical Radio Telegraph Co.
Casiana Cassin Castine Catania	KYE NIK NDA WTI	300, 600 300, 600 300, 450, 600.	PG PG PG	Edw. L. Doheny Governmentdo Huasteca Petroleum Co.	U. S. Navy. U. S. Navy. Marconi Co.
Celtic	WMF NDB WSN KKC	300, 600 300, 600 300, 600 300, 450, 600.	PG PG PG PG	Celilo S. S. Co	Marconi Co. U. S. Navy. Marconi Co. Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Charles E. Harwood Charles Pratt	WID KSQ	300, 600 300, 450, 600.	PG PG	Petroleum Transp. Co Standard Oil Co. of N. J.	Marconi Co. Marconi Co.
Charleston	NFE KLU	300, 600 300, 600	PG PG	Government U. S. Steel Products	U. S. Navy. Marconi Co.
Chattanooga	NGI KVK NDG	300, 600	PG PG PG	Co. Government Clyde S. S. Co Government	U. S. Navy. Marconi Co. U. S. Navy.
Chester W. Chapin. Cheyenne	KXQ NDH	300, 550, 600. 300, 600.	PG PG	New England S. S. Co. Government	Nat. Elec.Sig- naling Co. U. S. Navy.
Chicago	WAC WFI	300, 600	PG PG	Booth Fisheries Co Goodrich Transit Co.	Vessel owner. Marconi Co.
Chicago	NDI WWA WFJ	300, 600 300, 600 300, 600	PG PG PG	Government	U. S. Navy. Marconi Co. Marconi Co.
Cincinnati	NDL WEH	300, 600 300, 450, 500, 600.	PG PG	Government Detroit & Cleveland Nav. Co.	U. S. Navy. Vessel owner.
City of Atlanta	KFB	300, 450, 600.	PG	Ocean S. S. Co. (Savannah Line).	Marconi Co.
City of Augusta	KFJ	300, 450, 600.	PG	Ocean S. S. Co. (Savannah Line).	Marconi Co.
City of Bangor City of Benton Harbor.	KRH WDV	300, 600 300, 600	PG PG	Eastern S. S. Corp Graham & Morton Transp. Co.	Marconi Co. Marconi Co.
City of Buffalo	$\mathbf{WFQ}$	300, 600	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
City of Cleveland	WEA	300, 600	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
City of Columbus	KFA	300, 450, 600.	PG	Ocean S. S. Co. (Savannah Line).	Marconi Co.
City of Detroit II	WEC	300, 450, 500, 600.	PG	Detroit & Cleveland Nav. Co.	Vesselowner.
City of Detroit III City of Erie	WEF WFP	300, 600 300, 600	PG PG	do	Marconi Co. Marconi Co.
City of Everett	KTQ	300, 600	PG	Standard Oil Co. of N. Y.	Atlantic Com- munication Co.
City of Grand Rapids.	WDS	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
City of Lowell	KXB	300, 550, 600.	PG	New England S. S.	Nat. Elec.Sig- naling Co.
City of Mackinac II.	WEB	300, 450, 500, 600.	PG	Detroit & Cleveland Nav. Co.	Vessel owner.
City of Memphis	KFD	300, 600	PG	Ocean S. S. Co. (Savannah Line).	Marconi Co.
City of Montgom- ery.	KFY	300, 450, 600.	PG	do	Marconi Co.
City of Para City of Puebla	WWF	300, 600	PG	Pacific Mail S. S. Co.	Marconi Co.
City of Rockland	$egin{array}{c} \mathbf{WGQ} \\ \mathbf{KRI} \end{array}$	300, 600 300, 600	PG PG	Pacific Coast Co Eastern S. S. Corp	Marconi Co. Marconi Co.
City of St. Ignace	WEG	300, 450 500, 600	PĞ	Detroit & Cleveland Nav. Co.	Vessel owner.
City of St. Joseph	WDT	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

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Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
City of St. Louis	KFX	300, 600	PG	Ocean S. S. Co. (Savannah Line).	Marconi Co.
City of Savannah	KFK	300, 450, 600.	PG	do	Marconi Co.
City of Seattle City of South Haven.	WGA WDI	300, 600 300, 600	PG PG	Pacific Coast S. S. Co. Chicago & South Ha- ven S. S. Co.	Marconi Co. Marconi Co.
City of Sydney City of Taunton	WWG KXL	300, 600 300, 450, 500,550, 600.	PG PG	New England S. S. Co.	Nat. Elec.Sig- naling Co.
City of Topeka Cleveland Clincher	WGY NDM KMC	300, 600 300, 600 300, 600	PG PG	Pacific Coast Co Government Clinchfield Nav. Co	Marconi Co. U. S. Navy.
Coalinga	WOT	300, <i>600</i> , 1800.	PG	Union S. S. Co	Federal Telegraph Co.
Coamo	KGA	300, 450, 600.	PG	New York & Porto Rico S. S. Co.	Marconi Co.
Col. E. L. Drake	WTS	300, 450, 600.	PG.	Standard Oil Co. of Cal.	Marconi Co.
Col. Geo. Armis- tead.	WYG	600	. 0	Government	U. S. Army.
Colombia Colon	WBH KMX	300, 600 300, 450, 600.	PG	Pacific Mail S. S. Co Panama R. R. Co	Vessel owner.
Colorado Columbia	NDN NGA	300, 600 300, 600	PG PG	Governmentdo	U. S. Navy. U. S. Navy.
Columbia	WHC WKS	300, 600 300, 600	PG PG	Henry Wilson	Marconi Co. Vessel owner.
Columbine	NLL	600, 750, 1000.	0	Government	U. S. Dept. of Commerce.
Colusa	WIN KEM	300, 600 300, 450, 600.	PG PG	W. R. Grace & Co Mallory S. S. Co	Marconi Co. Marconi Co.
Comanche	KVC NRW	300, 600 300, 600	PG PG	Clyde S. S. Co Government	Marconi Co. U. S. C. G.
Comet	KTJ	300, 600	PG	Standard Transportation Co.	Marconi Co.
Commonwealth	KXC	300, 550, 600.	PG	New England S. S. Co.	Nat. Elec. Sig- naling Co.
Communipaw	KOE	300, 600		Standard Oil Co. of N. J.	
Comus Concho Concord	KKD KEC KNC	300, 600 300, 600 300, 550,	PG PG PG	Southern Pacific Co Mallory S. S. Co Colonial Nav. Co	Marconi Co. Marconi Co. Nat. Elec. Sig-
Congress.		600. 300, 600.	PG	Pacific Coast S. S.	naling Co. Marconi Co.
Conneaut	wcu	300, 600		Co. Wyandotte Transp.	Marconi Co.
Connecticut Coppename	NDQ KBF	300, 600 300, 600	PG PG	Co. Government Coppename S.S.Corp.	dio Tele-
Cordova Corning	WAR KIH	300, 600 300, 600	PG PG	Alaska S. S. Co Standard Oil Co. of N. J.	graph Co. Vessel owner. Marconi Co.
Coronado Corsair Corwin	WSO KYC WNN	300, 600 300, 600	PG	Coronado Co	Marconi Co. Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Costa Rica	KLK KKR KQC KMD KLR WXB KNV NDU NIL	300, 600	PG PG PG PG PG PG	Bristol Bay Packing Co. U. S. Steel Products Co. Southern Pacific Co. Merchants & Miners' Transp. Co. Panama R. R. Co U. S. Steel Products Co. Government.	Vessel owner. Marconi Co. Marconi Co. Marconi Co. Vessel owner. Marconi Co.
Creole	KKR KQC KMD KLR WXB KNV NDU NIL	300, 450, 600. 300, 450, 600. 300, 450, 600. 300, 600. 300, 600. 300, 450, 600.	PG PG PG PG	U. S. Steel Products Co. Southern Pacific Co. Merchants & Miners' Transp. Co. Panama R. R. Co U. S. Steel Products Co.	Marconi Co.  Marconi Co.  Vessel owner.  Marconi Co.
Cretan Cristobal Crofton Hall Crook Cubadist Culgoa	KQC KMD KLR WXB KNV NDU NIL	600. 300, 450, 600. 300, 450, 600. 300, 450, 300, 600. 300, 450, 600.	PG PG PG	Southern Pacific Co  Merchants & Miners' Transp. Co. Panama R. R. Co  U. S. Steel Products Co.	Marconi Co.  Vessel owner.  Marconi Co.
Cristobal	KMD KLR WXB KNV NDU NIL	300, 450, 600. 300, 450, 600. 300, 450, 300, 600. 300, 450, 600.	PG PG	Transp. Co. Panama R. R. Co U. S. Steel Products Co.	Vessel owner. Marconi Co.
Crofton Hall	KLR WXB KNV NDU NIL	300, 450, 600. 300, 450, 600. 300, 600. 300, 450, 600.	PG PG	Panama R. R. Co U. S. Steel Products Co.	Marconi Co.
CrookCubadist	WXB KNV NDU NIL	300, 450, 600. 300, 600 300, 450, 600.	PG	Co.	<b>!</b> !
Cubadist Culgoa	KNV NDU NIL	300, 600 300, 450, 600.			l
Cubadist Culgoa	KNV NDU NIL	300, 450, 600.			U. S. Army
	NIL			Cuba Distilling Co	Marconi Co.
		300, 600	PG	Government	U. S. Navy.
	WOD	300, 600	PG	do	U. S. Navy.
Curação	WGK	300, 600	PG	Pacific Coast Co	Marconi Co.
Currier	KNU	300, 600	PG	Cuba Distilling Co	Marconi Co.
Cushing	KSC	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
Cushing	NIM	300, 600	PG	Government	U. S. Navy.
Cyclops	NDY	300, 600	PG	do	U. S. Navy.
Cypress	NLM	600, 750, 1000.	0	do	U. S. Dept. of Commerce.
Cyprus	KYD	300, 600	PG	Daniel C. Jackling	Vessel owner.
Dade	KXU	300, 450,	PG	Miami S. S. Co	Marconi Co.
Dakotan	WKD	600. 300, 600	PG	American-Hawaiian S. S. Co.	Marconi Co.
Dauntless	WRP	300, 600	PG	Ship Owners' & Merchants' Tug Boat Co.	Vessel owner.
Dawnlite	KPP	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
Daylite	KPR	300, 600	PG	do	Marconi Co.
Dayton	KNP	300, 600	PĞ	do	Marconi Co.
Decatur	NJC	300, 600	PG	Government	U. S. Navy.
Defiance	WRP	300, 600	PG	Ship Owners' & Merchants' Tug Boat Co.	Vessel owner.
Delaware	NEK	300, 600	PG	Government	U. S. Navy.
Delaware Sun	KTW	300, 600	PĞ	Sun Co.	Marconi Co.
Denver	NEM	300, 600	PĞ	Government	U. S. Navy.
Des Moines	NEN	300, 600	PG	do	U. S. Navy.
De Soto	KNI	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co
Despatch	WOA	<b>300</b> , <i>600</i>	PG	Border Line Transp.	Marconi Co.
Diana	KZM			C. Ledvard Blair	Marconi Co.
Dix	WXC	600	PG	Government	U. S. Army.
Dixie	NEP	300, 600	$\mathbf{PG}$	do	U. S. Navy.
D. N. Luckenbach.	KGW	300, 600		Edgar F. Lucken- bach.	Marconi Co.
Dochra	KGL	300, 600	PG	La Plata S. S. Co	Marconi Co.
Dolphin	WAU	300,600	PG	Alaska S. S. Co	Vessel owner.
Dolphin	NEQ	300, 600	PG	Government	U. S. Navy.
Dora	WAH	300, 600	PG	Alaska S. S. Co	Vessel owner. Marconi Co.
Dorchester	KQD	300, 600	PG	Merchants & Miners' Transp. Co.	BIARCOIII CO.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Dorothy Bradford	KNA	300, 600	PR	Cape Cod S. S. Co., trustees.	Vessel owner.
Downes	NIN	300, 600	PG	Government	U. S. Navy.
Drayton	NET	300, 600	PG	do	U. S. Navy.
Dubuque	NEU	300, 600		do	U. S. Navv
Duncan	NIR	300, 600	PG	do	US. Navy.
E-1	NXS	300, 600	PG	do	U.S. Navy.
<b>E-2</b>	NXT	300, 600	PG	do	U. S. Navy.
Eagle	NFC	300, 600	PG	do	U. S. Navy.
Eastern States	WEE	300, 600	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
Ecuador	WBN	300, 600		Pacific Mail S. S. Co.	
Edgar F. Lucken- bach.	KGK	300, 450, 530, 600.	PG	Luckenbach Co. (Inc.).	Vessel owner.
Edward L.Doheny.	WIE	300, 475, 600.	PG	Petroleum Transp.Co.	Marconi Co.
El Alba	KKL	300, 450, 600.	PG	Southern Pacific Co	Marconi Co.
Elcano	NFD	300, 600	PG	Government	U. S. Navy.
El Capitan	WNB	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
El Cid	KKT	300, 600	PG	Southern Pacific Co	Marconi Co.
El Dia	KKY	300, 450, 600.	PG	do	Marconi Co.
Ellington	NLN	300, 600	0	Government	U. S. Dept. of Labor.
El Mundo	KKU	300, 600	PG	Southern Pacific Co	Marconi Co.
El Norte	ĶKN	300, 450, 600.	PG	do	Marconi Co.
El Occidente	KKX	300,600	PG	do	Marconi Co.
El Oriente	KKV	300. 450, 600.	PG	do	Marconi Co.
El Rio	KKZ	300, 600	PG	do	Marconi Co.
El Segundo	WTQ	300, 600	PG	Standard Oil Co. of Cal.	Marconi Co.
El Siglo	KKS	300, 600	$\mathbf{PG}$	Southern Pacific Co	Marconi Co.
El Sol	KKB	300, 450, 600.	PG	do	Marconi Co.
El Sud	KKQ	300, 450, 600.	PG	də	Marconi Co.
El Valle	KKW	300, 600	PG	do	Marconi Co.
Enterprise	WMN	300, 600	PG	Matson Nav. Co	Marconi Co.
Eocene	KTM	300, 600	PG	Standard Transp. Co.	Vessel owner.
Erskine M. Phelps.	WTA			William D. Sewall (Union Oil Co.).	Marconi Co.
E. R. Sterling	WIS	300, 450, 600.	P	Sterling Ship Co	Vessel owner.
Esperanza	KWZ	300, 450, 600.	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Easex	KQE	300, 600	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Eurana	KJG	<b>300, 450,</b> 600.	PG	Walker, Armstrong & Co.	Marconi Co.
Evangeline	KII	300, 600	PG	Evangeline Co	Marconi Co.
Excelsior	ĸĸo	300, 465, 600.	PĞ	Southern Pacific Co	Marconi Co.
Expansion	WOH	300, 600	PG	North Alaska Salmon Co.	Vessel owner.
Explorer	NLI	300, 600	0	Government,	U. S. Dept. of Commerce.

## SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
TP 1	NVII	200 000	TOC	Covernment	U. S. Navy.
F-1	NXU	300, 600	PG	Government	
F-2	NXV	300, 600	PG	do	U. S. Navy.
F-3	NXW	300,600	PG	do	U. S. Navy.
F-4	NXX	300, 600	PG	do	U. S. Navy.
F. A. Kilburn	WRW	300, 600	PG	North Pacific S. S.Co.	
				Government	U. S. Navy.
Fanning	NFM	300, 600	PG		U. B. Navy.
Farragut	NVS	300, 600	PG	do	U. S. Navy.
Favorite	WCF	300, 600	PG	Great Lakes Towing Co.	Marconi Co.
Fearless	WRP	300, 600	PG	Ship Owners' & Merchants' Tug Boat Co.	Vessel owner.
Finland	KSF	300, 600	PG	International Mercantile Marine Co. (Panama-Pacific	Marconi Co.
Florence Lucken-	WNM	300,600	PG	Line). Luckenbach Co.	Marconi Co.
bach.				(Inc.).	
Florida	KUS	300, 600	PG	The Texas Co	Marconi Co.
Florida	NFR	300,600	PG	Government	U. S. Navy.
Floridian	WLR	300, 450, 600.	PG	American - Hawaiian S. S. Co.	Marconi Co.
Flusser	NFS	300,600	PG	Government	U. S. Navy.
				G. R. Hanify Co	Marconi Co.
Francis Hanify	KRA	300, 600	PG		
Frank H. Buck	WTO	300, 600	PG	Associated Oil Co	Federal Tele-
Fred'k Lucken- bach.	KGV	300, 600	PG	Edgar F. Lucken- bach.	graph Co. Marconi Co.
G-1	NXY	300,600	PG	Government	U. S. Navy.
G 2	NXZ	300, 600	PG	do	U. S. Navy.
G-2					
G-3	NYA	300, 600	PG	do	U. S. Navy.
G-4	NYB	300,600	PG	do	
Galatea	WGF	300,600	PG	E. L. Ford	Marconi Co.
Galveston	NGD	300,600	PG	Government	U. S. Navy.
Gargoyle	KRK	300, 450,	PG	Vacuum Oil Co	
General A. M. Randol.	WYJ	600. 400	0	Government	U. S. Army.
General E. O. C. Ord.	WYF	600	0	do	U. S. Army.
General George	WZT	1200	0	do	U. S. Army.
H. Weeks. General G. W. Getty.	WYS	1200	О	do	U. S. Army.
General Harvey	WYK	400	О	do	U. S. Army.
Brown. General Henry J. Hunt.	WYD	600	О	do	U. S. Army.
General Henry Knox.	WYE	600	. 0	do	U. S. Army.
General J. M. Brannan.	WZV	1200	0	do	U. S. Army,
General John M. Schofield.	WXW	600	0	do	U. S. Army.
General Nathanael Greene.	WZR	1200	0	do	U. S. Army.
General R. B. Ayres.	WYL	600	0	do	U. S. Army.
General R. H. Jackson.	WYW	400	0	do	U. S. Army.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by
General Richard	WYY	1200	0	Government	U. S. Army.
General R. N. Batchelder.	wzw	1200	О	do	U. S. Army.
General Robert Anderson.	WYH	400	О	do	U. S. Army.
General Robert Swartout	WYU	400	o	do	U. S. Army.
General Royal T. Frank.	WYA	600	О	do	U. S. Army.
General S. B. Holabird.	WYV	400	0.	do	U. S. Army.
General S. N. Mills.	WYB	600	0	do	TT C A
General Timothy Pickering.	WZQ	1200	ŏ	do	U. S. Army. U. S. Army.
George E. Paddle- ford.	WIV	300, 450, 600.	PG	Petroleum Transp.	Marconi Co.
Geo. W. Elder	WRT	300,600	PG	North Pacific S. S.	Marconi Co .
Georgia	KUR	300, 450, 600.	PG	Texas Co	Marconi Co.
Georgia	WFA	300, 600	PG	Goodrich Transit Co.	Marconi Co.
Georgia	NGF	300, 600	PĞ	Government	U. S. Navy.
Georgian	WKG	300, <i>600</i>	PG	American-Hawaiian S. S. Co.	Marconi Co.
Georgiana	KJE	300, 600	į	Walker, Armstrong & Co.	Marconi Co.
Gettysburg	WCK	300, 600		Moore & McCormick Co. (Inc.).	
GlacierGlenpool	NGH KOH	300, 600 300, 450, 600.	PG PG	Government Standard Oil Co. of N. J.	U. S. Navy. Vessel owner.
Gloucester	KQG	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Gloucester	NSL	300, 600		Government	U. S. Navy.
Goldsborough	NGJ	300, 600	PG	do	U. S. Navy.
Gold Shell	WĬB	300, 450, 600.	PĞ	Gold Shell S. S. Co	Marconi Co.
Goliah	WPG	300, 600	PG	Puget Sound Tug Boat Co.	Vessel owner.
Governor	WGR	300, 600	PG	Pacific Coast S. S. Co.	Marconi Co.
Governor Cobb	KRB	300, 600	PĞ	Eastern S. S. Corp	Marconi Co.
Governor Dingley.	KRV	300, 600	PG	do	Marconi Co.
Gov. Forbes	WJA	300, 600	PĞ	Ynchausti Co	Vessel owner.
Grace Dollar	WSF	300, 600	PĞ	Grace Dollar S. S. Co.	Marconi Co.
Great Northern	WIR	300, 450, 600.	PG	Great Northern Pa- cific S. S. Co.	Marconi Co.
Grecian	KQR	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Gresham	NRG	300, <i>600</i> , 750.	PG	Government	U. S. C. G.
Guantanamo	KWN	300, 600	PG	New York & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Guardian	WGZ	300, 600	PG	Central & South American Telegraph Co.	Vessel owner.
Gulfcoast	KUE	300, 600	PG	Gulf Refining Co	Marconi Co.
Guiflight	KUA	300, 600	PĞ	do	Marconi Co.
Gulfoil	KTG	300, 600		do	
Gulfstream	KTB	300, 600		do.`	
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SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
H-1	NYC	300, 600	PG	Government	U. S. Navy.
<u>H</u> -2	NYD	300, 600.	PG	do	U. S. Navy.
H-3 Halcyon	NYE KZL	300, 600 300, 425,	PG P	Dutee W. Flint	U. S. Navy. Vessel owner.
Hamilton	KOA	600. 300, 450, 600.	PG	Old Dominion S. S.	Marconi Co.
Hancock	NHI	300, 600	PG	Government	U. S. Navy.
Hannibal	NGU KGX	300, 600 300, 450,	PG PG	Ldgar F. Luckenbach	U. S. Navy. Marconi Co.
Harvard	WRH	600. 300, 600	PG	Metropolitan S. S. Co. (Pacific Steam Nav. Co.).	Federal Tele- graph Co.
Harvester. See The Harvester.					
Hattie Lucken- bach.	WNF	300, 600	PG	Luckenbach Co. (Inc.).	Marconi Co.
Havana	KWH	300, 450, 600.	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Hawaiian	WKU	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Healdton	KOF	<b>300, 600</b>	•••••	Standard Oil Co. of N. J.	
Hector	NGX	300, 600	PG	Government	U. S. Navy.
Helena	NGY	300, 600	PG	do	U. S. Navy.
Henley	NHA	300, 600	PG	do	U. S. Navy.
Henry J. Biddle	WOW	300, 600	PG	Columbia Contract Co	Vessel owner.
Henry M. Flagler	KOX	300, 600	PG	Florida East Coast Ry.	
Henry T. Scott	WRA	300, 600,	PG	California S. S. Co	Marconi Co.
Henry Wilson Herbert G. Wylie	$f WZS \ WIF$	1200. 300, 600	PG	Government Petroleum Transport	U. S. Army. Marconi Co.
Hercules	WRP	300, 600	PG	Co. Ship Owners' & Merchants' Tug	Vessel owner.
Heredia	KDH	<b>300</b> , <i>600</i>	PG	Boat Co. Heredia S. S. Corp	Tropical Ra- dio Tele-
Herman Frasch	KFH	300, 600	PG	Union Sulphur Co	graph Co. Atlantic Com- munication Co.
Hermosa	WBP	300, 500, 600.	$\mathbf{P}\mathbf{R}$	Wilmington Transp.	Marconi Co.
Hewitt H. H. Rogers	KIL KSI	300, 600 300, 450, 600.	PG PG	Union Suplhur Co Standard Oil Co. of N. J.	Vessel owner. Marconi Co.
Hilonian	WMM	300,600	PG	Matson Nav. Co	Marconi Co.
Hiram B. Everest	KRS	300,600	$\mathbf{PG}$	Vacuum Oil Co	Marconi Co.
Holland	WDW	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
Honolulan	WKH	300,600	PG	American-Hawaiian S. S. Co.	Marconi Co.
Hopkins Howard	NHC KQH	300, 600 300, 450,	PG PG	Government Merchants & Miners'	U. S. Navy. Marconi Co.
Howick Hall	KLT	600. 300, 600	PG	Transp. Co. U. S. Steel Products Co.	Marconi Co.
HullHumboldt	NHE WHX	300, 600 300, 600	PG PG	Government Humboldt S. S. Co	U. S. Navy. Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Huron	KVH	300, 450, 600.	PG	Clyde S. S. Co	Marconi Co.
Hyades	WMK	300,600	PG	Matson Nav. Co	Marconi Co.
Iaqua	WLI	300,600	PG	John A. McGregor	Marconi Co.
I. D. Fletcher	KFI	300,600	PG	Coast Transit Co	Marconi Co.
Illinois	WCZ	300,600	PG	Northern Michigan	Marconi Co.
Illinois	KTH	300, 450, 600.	PG	Transp. Co. Texas S. S. Co	Marconi Co.
Illinois	NHO	300,600	PG	Government	U. S. Navy.
Inco No. 1	WQA	300, 450, 600.	PG	Inland Nav. Co	Marconi Co.
Indiana	WFC	300,600	PG	Goodrich Transit Co	Marconi Co.
Indiana	NHQ	300,600	PG	Government	U. S. Navy.
Iowa	NHT	600	PG	do <u></u>	U. S. Navy.
Iowan	WKJ	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Iris	NHU	300, 600	PG	Government	U. S. Navy.
Iroquois	KVF	300, 450, 600.	PG	Clyde S. S. Co	Marconi Co.
Iroquois	NHV	300,600	PG	Government	U. S. Navy.
Isla de Luzon	NQJ	300,600		do	U. S. Navy.
Isthmian	WKI	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Itasca	NRI	300,600	PG	Government	U. S. C. G.
J. A. Chanslor	WTK	300, 600,	PG	Associated Oil Co	Federal Tele-
T T	NIZO	1800.	ŀ	G	graph Co.
Jacob Jones	NKG KOC	300, 600	PG	Government Old Dominion S. S.	U.S. Navy
Jamestowit	NOC	300, 450, 600.	I TG	Co.	Marconi Co.
J. A. Moffett	WRE	300, 600	PG	Standard Oil Co. of Cal.	Marconi Co.
Jarvis	NIB	300,600	· PG	Government	U. S. Navy.
Jason	NNB	300,600	PG	do	U. S. Navy.
J. B. Stetson	$\mathbf{W}\mathbf{R}\mathbf{C}$	300,600	PG	Hicks-Hauptman	
Jefferson	KOD	300,600	PG	Nav. Co. Old Dominion S. S. Co.	Marconi Co.
Jefferson	WAJ	300,600	PG	Alaska S. S. Co	Vessel owner.
Jenkins	NID	300,600	PĞ	Government	U. S. Navy.
Jim Butler	WIL	300,600	PG	Olson and Mahony	Marconi Co.
J. L. Luckenbach	KGT	300,600	PG	Luckenbach Co.	Marconi Co.
J. M. Danziger	wiw	300, 450,	PG	(Inc.). Petroleum Transp.Co	Marconi Co.
I M Guffor	KTF	900.600	PG	Gulf Refiner Co	Marconi Co.
J. M. Guffey John A. Hooper	WSJ	300, 600 300, 600	PG	Gulf Refining Co John A. Hooper Co	Marconi Co.
John D. Archbold.	KTK	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
John D. Rockefel- ler.	KTO	300, 600	PG	do	Marconi Co.
Joseph Henry Josephine	WXT KZU	600	0	Government Joseph Widener	U.S. Army.
Joseph Pulitzer	WPZ	300, 450,	PG	Port of Portland,	Vessel owner.
Tomaté	MITTO	525, 600.	D.C	Oreg.	TT G 27
Jouett	NIE	300, 600	PG	Government	U. S. Navy.
Juniata	KQJ	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Juniata	WCB	300, 600	PG	Erie & Western Transp. Co (An- chor Line).	Marconi Co

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Jupiter	NNC	300,600	PG	Government	U. S. Navy.
Justin	NNJ	300,600	PG	do	U. S. Navy.
Κ-1	NYF	300, 600	PG	Government	U. S. Navy.
	NYG				
<u> </u>		300, 600	PG	do	U. S. Navy.
X-3	NYH	300, 600	PG	do	U. S. Navy.
ζ-4	NYI	300,600	PG	do	U. S. Navy.
X-5	NYJ	300,600	PG	do	U. S. Navy.
Σ-6	NYK	300,600	PG	do	U. S. Navy.
R-7	NYL	300,600	PG	do	U. S. Navy.
X-8	NYM	300,600	PG	do	U. S. Navy.
Kansan	WKK	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Kansas	NIO	300, 600	PG	Government	U. S. Navy.
Karina	KYR			Theodore P. Burgess.	** 0 **
Kearsarge	NIP	300,600	PG	Government	U. S. Navy.
Kentra	KLN	300, 600	PG	U. S. Steel Products Co.	Marconi Co.
Kentuckian	WKE	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Kentucky	NIQ	300,600	PG	Government	U. S. Navy.
Kershaw	KQK	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Kilpatrick	WXD	600	PG	Government	U. S. Army.
Klamath	WSX	300,600	PG	Klamath S. S. Co	Marconi Co.
Korea	WWK	300, 600	PG	Atlantic Transport	Marconi Co.
Kroonland	KSH	300, 600	PG	Co. International Mercan- tile Marine Co. (Pan-	Marconi Co.
Kukui	NLF	300, 600	0	ama-Pacific Line). Government	U. S. Dept. of Commerce.
Kvichak	WNS	300, 600	PĢ	Alaska Packers' Association.	Vessel owner.
La Brea	WON	300, <i>600</i> , 1800.	PG	Union Oil Co	Federal Tele- graph Co.
Lakeland	WDL	300, 600	PG	Port Huron & Du- luth S. S. Co.	Marconi Co.
Lakapart	WDJ	300,600	PG	do	Marconi Co.
Lakeport	WDK	300, 600	PG	do	Marconi Co.
Lakewood Lampasas	KEP	300, 450,	PG	Mallory S. S. Co	Marconi Co.
	NTTY!	600.	DC	a .	TT C N
Lamson Lansing	NIW WTC	300, 600	PG PG	Government Union S. S. Co	U. S. Navy. Federal Tele-
	****		-		graph Co.
Larimer	KTA	300, 600	PG	Gulf Refining Co	
Latouche	WAI	300, 600	PG	Alaska S. S. Co	
Lawrence	NIY	300,600	PG	Government	U. S. Navy.
Lebanon	NIZ	300, 600	PG	do	
Lenape	KVL	300, 450, 600.	PG	Clyde S. S. Co	
Leonidas	NNH	300, 600	PG	Government	U. S. Navy.
Lewis Luckenbach. Lexington	WNH KNB	300, 550,	PG	Luckenbach Co.(Inc.) Colonial Nav. Co	Nat. Elec.Sig-
Lieut. Geo. M.	WYR	600. 400	0	Government	naling Co.
Harris. Ligonier	KTD	300,600	PG	Gulf Refining Co	Marconi Co.
	WXE		PG		
Liscum		600		Government	
Logan	WXF	600	PG	Union Oil Co	
Los Angeles	WOL	300, <i>600</i> , 1800.	PG	Union Oil Co	Federal Telegraph Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Louisiana	KUL	300, 450, 600.	PG	The Texas Co	Marconi Co.
LouisianaL. Roscoe	NJB NZX	300, 600 300, 600, 750.	PG O	Government	U. S. Navy. Alaskan Engineering Commission.
Lurline	WML	300, 450, 600.	PG	Matson Nav. Co	Marconi Co.
Lydonia Lyman Stewart	WDY WTL	300, 600 300, 600, 1800.	PG PG	W. A. Lydon Union Oil Co	Federal Tele- graph Co.
Lysistrata	NJH NQL WHW	300, 600 300, 600 300, 600 300, 600	PG PG PG PG	James G. Bennett Governmentdo George & James Flood.	Vessel owner.
Macona	KFC	300, 450, 600.	PG	Barber & Co. (Inc.)	Marconi Co.
Madison	KOG	300, 450, 600.	PG	Old Dominion S. S.	Marconi Co.
Maine	KXD	300, 450, 500, 550, 600.	PG	New England S. S. Co.	Nat.Elec. Sig. naling Co.
Maine	NJL WYQ	300, 600 1200	PG O	Governmentdo	
Major Evan Thomas.	WYO	300	0	do	U. S. Army.
Major Samuel Ringgold.	WYC	300	0	do	U. S. Army.
Manchuria	WWE	300, 600	PG	Atlantic Transport	Marconi Co.
Manitou	WFW	300, 600	PG	Northern Michigan Transp. Co.	Marconi Co.
Manning Manoa	NRN WMQ	300, 600 300, 450, •600.	PG PG	Government Matson Nav. Co	U. S. C. G. Marconi Co.
Maracaibo	KDM	300, 450, 600.	PG	Atlantic & Caribbean Steam Nav. Co. (Red D Line).	Marconi Co.
Marblehead Marietta Marquette & Bessemer No. 1.	NGK NJQ WEW	300, 600 300, 600 300, 425, 540, 600.	PG PR	Governmentdo	U. S. Navy. Vessel owner.
Marquette & Bessemer No. 2.	WEX	300, 425, 540,600.	PR	do	Vessel owner.
Mars Maryland Mascotte	NJR NJS KOW	300, 600	PG PG PG	Governmentdo	U. S. Navy. U. S. Navy. Marconi Co.
Massachusetts Massachusetts Matinicock	KJM NJT KID	300, 600 300, 600 300, 600	PG PG PG	dental S. S. Co. Eastern S. S. Corp' Government Standard Oil Co. of N. J.	Marconi Co. U. S. Navy. Marconi Co.
Matsonia	WMP	300, 450, 600.	PG	Matson Nav. Co	Marconi Co.
Maverick	WTW			Standard Oil Co. of Cal.	

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### SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Mayflower	NJV	300, 600	PG	Government	U. S. Navy.
Mayrant	NJU	300, 600	PG	do	U. S. Navy.
McCall	NJW	300, 600	PG	do	U. S. Navy.
McClellan	WXH	600	PG	do	U. S. Army.
McCulloch	NRH	300, 600	PG	do	U. S. C. G.
McDougal	NIT	300, 600	PG	do	U. S. Navy.
Meade	WXG	600	PG	do	U. S. Army.
Medina	KEI	300, 450, 600.	PG	Mallory S. S. Co	Marconi Co.
Merrimack	KQM	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Merritt	WXI	600	PG	Government	U. S. Army.
Metapan	KLF	300, 600	PG	Metapan S. S. Corp	Tropical Radio Tele- graph Co.
Mexican	WKL	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Mexicano	KGM	300, 600	PG	Pierce Oil Corp	Marconi Co.
Mexico	KWX	300, 450, 600.	PG	N. Y. & Cuba Mail S. S. Co. (Ward	Marconi Co.
Miami	KOZ	300,600	PG	Line). Peninsular & Occidental S. S. Co.	Marconi Co.
Miami	NRQ	300, <i>600</i> , 750.	PG	Government	U. S. C. G.
Michigan	NJZ	300,600	PG	do	U. S. Navy.
Mielero	KNT	300, 600		Cuba Distilling Co	Marconi Co.
Millinocket	KNM	300, 600	PG	A. H. Bull S. S. Co	Marconi Co.
Mills	KRR	300, 600	PG	Ogden Mills	Marconi Co.
Milwaukee	NFB	300, 600	PG	Government	U. S. Navy.
Minneapolis	NGB	300, 600	PG	do	U. S. Navy.
Minnesota	WEK	300, 600	PG	Lake Michigan	Marconi Co.
Minnesota	WMI	300, 600	PG	Transp. Co. Great Northern S. S. Co.	Marconi Co.
Minnesota	NKD	300,600	PG	Government	U. S. Navy.
Minnesotan	WKM	300, 600	PG	American-Hawaiian S. S. Co.	Marconi Co.
Missouri	WFX	300, 600	PG	Northern Michigan S. S. Co.	Marconi Co.
Missouri	NKF	300,600	PG	Government	U. S. Navy.
Missourian	WKX	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Mohawk	KVM	300, 450, 600.	PG	Clyde S. S. Co	Marconi Co.
Mohawk	KXE	300, 550, 600.	PG	New England S. S. Co.	Nat. Elec.Sig- naling Co.
Mohawk	KYU	300	P	Ralph E. Barry	Vessel owner.
Mohawk	NRM	300,600	PG	Government	U. S. C. G.
Mohegan	KXM	300, 550,	PG	New England S. S.	Nat. Elec. Sig-
Momus	KKM	600. 300, 450, 600.	PG	Southern Pacific Co	naling Co. Marconi Co.
Monadnock	NHD	300,600	PG	Government	U. S. Navy.
Monaghan	NKL	300, 600	PG	do	U. S. Navy.
Mongolia	WWN	300, 600	PG	Atlantic Transport	Marconi Co.
Monocacy	NQQ	300,600	PG	Government	U. S. Navy.
Montana	NKM	300, 600	PG	do	U. S. Navy.
Montanan	WKN	300, 600	PG	American- Hawaiian	Vessel owner.
ontanan	11 1211	1 500, 000	1	S. S. Co.	

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Monterey	KWY	300, 450, 600.	PG	N. Y. & Cuba Mail S. S. Co. (Ward	Marconi Co.
Monterey	NKN	300, 600	PG	Line). Government	U. S. Navy.
Montgomery	NKO	300, 600	PĞ	do	U. S. Navy.
Moonlite	KPL	300, 600	PĞ	Standard Oil Co. of N. J.	Marconi Co.
Mooremack	WCL	300, 600		Moore & McCormick Co.	
Moreni	KNX	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Morrill	NRC	300,600	PG	Government	U. S. C. G.
Morro Castle	KWC	300, 450, 600.	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Motano	KSB	300,600	PG	Standard Oil Co. of N. J.	Vessel owner.
Mount Hope	KOL	300, 600	P	Providence, Fall River & Newport Steamboat Co.	Vessel owner.
Multnomah	WMA	300,600	PG	Multnomah S. S. Co	Marconi Co.
Munamar	KUI	300,600	PG	Munson S. S. Co	Marconi Co.
Munplace	KUG	300, 450, 600.	PG	do	Marconi Co.
Munsomo	KUK	300, 450, 600.	PG	do	Marconi Co.
Munwood	KUH	300,600	PG	do	Marconi Co.
Muskogee	KIB	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
Nacoochee	KFP	300, 600	PG	Ocean S. S. Co. (Savannah Line).	Marconi Co.
Nann Smith		300, 600	PG	Inter-Ocean Transp. Co.	Marconi Co.
Nanshan	NNK	300, 600	PG	Government	U. S. Navy.
Nantucket	KQN	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Nashville Navahoe	NKY KOR	300, 600	PG	R. Lawrence Smith, (Inc.)	U. S. Navy. Marconi Co.
Navajo	WNJ	300,600	PG	Navajo S. S. Co	Marconi Co.
Navajo	NKZ	300, 600	PG	Government	U.S. Navy.
Navesink	WXU	400, <i>600</i> , <b>800</b> .	0	do	U. S. Army.
Nebraska Neches	NMA KEE	300, 600 300, 450,	PG PG	Mallory S. S. Co	U. S. Navy. Marconi Co.
Nolson	TZNIT	600.	DC.	Cuba Distilling Co	Managi Ca
Nelson	KNL NMS	300, 600	PG	Cuba Distilling Co	
Neptune Nereus	NNF	300, 600	PG PG	Government	U. S. Navy.
Nero	NMB	300,600	PG	do	U. S. Navy. U. S. Navy.
Nevada	WFD	300, 600		Goodrich Transit Co.	Marconi Co.
New Hampshire	KXF	300, 550, 600.	PG	New England S.S.Co.	
New Hampshire	NME	300, 600	PG	Government	U. S. Navy.
New Haven	KXN	300, 550, 600.	PĞ	New England S. S.Co.	Nat. Elec. Sig- naling Co.
New Jersey	NMF	300,600	PG	Government	U. S. Navy.
New Orleans	NMG	300, 600	PG	do	U. S. Navy.
Newport	NMH	300, 600		do	U.S. Navy.
Newport	wwh	1 300, 600	PG	Pacific Mail S. S. Co.	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
New York	KSN	300, 600	PG	International Mercantile Marine Co. (American Line).	Marconi Co.
New York	NCC	200 600	PG		TT O M
New York	KUW	300, 600 300, 450, 600.	PG	The Texas Co	U. S. Navy. Marconi Co.
Niagara	KYN	300,600	PG	Howard Gould	Marconi Co.
Nicholson	$\mathbf{NIU}$	300, 600	PG	Government	U. S. Navy.
Nokomis	<b>WCW</b>	300, 600	PG	Horace E. Dodge	Marconi Co.
Noma	KYO.	300, 600	PG	Vincent Astor	Marconi Co.
Norman Bridge	WIG	300, 600	PG	Petroleum Transp.	Marconi Co.
North American	WEN	300, 600	PG	Co. Chicago, Duluth & Georgian Bay S. S.	Marconi Co.
North Carolina	NMN	300, 600	PG	Co. Government	U. S. Navy.
North Dakota	NMO	300, 600	PG	do	U. S. Navy.
Northern Pacific	WIM	300, 465,	PG	Great Northern Pa-	Marconi Co.
		600.		cific S. S. Co.	
North Land	WCN	300, 600	PG	Northern S. S. Co	Marconi Co.
North Land	KJD	300, 600	PG	Eastern S. S. Corp	Marconi Co.
North Star	KJS	300, 600	PG	do	Marconi Co.
Northwestern	KUO	300, 600	PG	The Texas Co	Marconi Co.
Northwestern	WAN	300,600	PG	Alaska S. S. Co	Vessel owner.
North Wind	KYB	300.	P	Charles Martin Clark.	Vessel owner.
Norwood	WSG	300, 450, 525, 600.	PG	Pacific - American Fisheries Co.	Vessel owner.
Nueces Nushagak	KEH WNE	300, 600 300, 400,	PG PG	Mallory S. S. Co Alaska Packers' Association.	Marconi Co. Vessel owner.
O'Brien	NIV	500, 600. 300, 600.	PG	Government	II G No
Octorara	WCD	300, 600	PG	Erie & Western Transp. Co. (An-	U. S. Navy. Marconi Co.
				chor Line).	
Ohio Ohioan	f WKQ	300, 600 300, 600	PG PG	Government American-Hawaiian S. S. Co.	U. S. Navy. Vessel owner.
Old Colony	KJO	300, 600	PG	Eastern S. S. Corp	Maraoni Ca
Oleum	WTD	300, 600,	PG	Union Oil Co	Marconi Co. Federal Tele-
Olivette	KOV	1800. 300, 450,	PG	Peninsular & Occi-	graph Co. Marconi Co.
_		600.		dental S. S. Co.	Marcon Co.
Onega Oneida	KGU KYP	300, 600 300, 550,	PG P	Barber & Co. (Inc.). E. C. Benedict	Marconi Co. Vessel owner.
Oneonta	WPX	600.	PG	Port of Portland, Oreg.	Managi Ca
Onondaga	NRO	300,600	PG	Government	Marconi Co. U. S. C. G.
Ontario	KQO	750. 300, 600	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Ontario	NTA	300, 600	PG	Government	U. S. Navy.
Oregon	NMZ	300, 600	PG	do	U. S. Navy.
Oregon	WOU	300,600		Crowley Launch &	Marconi Co.
Oregonian	wko	300, 600	PG	Tugboat Co. American-Hawaiian S. S. Co.	Vessel owner.
Orion	NOC	300,600	PG	Government	U. S. Navy.
Orleanian	KON	300, 600	PG	R. Lawrence Smith	Marconi Co.
Osceola.	NOA	300, 600	PG	Government	U. S. Navy.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Ossipee	NRJ	300, 600,	PG	Government	U. S. C. G.
Obserption	11100	750, 1000.	1	- GOVERNMENT	0. B. C. G.
Ozark	NHH	300, 600	PG	do	U. S. Navy.
Paducah	NOG	300, 600	PG	do	U. S. Navy.
Palos	NQS	300,600	PG	do	U. S. Navy.
Pamlico	NRR	300,600	PG	do	U. S. C. G.
Pampanga	NQT	300, 600	PG	do	U. S. Navy.
Panama	KMH	300, 450, 600.	PG	Panama R. R. Co	Vessel owner.
Panaman	WKR	300, 600	PG	American- Hawaiian S. S. Co.	Vessel owner.
Pan American	KUT	300, 450, 600.	PG	The Texas Co	Marconi Co.
Panther	NOJ	300, 600	PG	Government	U. S. Navy.
Panuco	KMM	300, 600	PG	Freeport & Tampico Fuel Oil Transp. Corp.	Marconi Co.
Paraguay	KTT	300, 600	PG	Sun Co	Marconi Co.
Paraiso	WRI	300, 600	PG	Craig Shipbuilding	Marconi Co.
Parismina	KDG	300,600	PG	Parismina S. S. Corp.	Tropical Ra- dio Tele- graph Co.
Parker	NIX	300, 600	PG	Government	U. S. Navy.
Pastores	KLA	300, 600	PĞ	Pastores S. S. Corp	Tropical Ra- dio Tele-
Determine	NOT	000	l	G	graph Co.
Patapsco	NOL NLJ	<b>600</b> <b>300,</b> <i>600</i>	···o	Governmentdo	U. S. Navy. U. S. Dept. of
Patterson	NLH	300, 600	0	do	U. S. Dept. of Commerce.
Patterson	NOK	300, 600	PG	do	U. S. Navy.
Patuxent	NOM	300, 600	PĞ	do	U. S. Navy.
Paulding	NOM	300, 600	PĞ	do	U. S. Navy.
Paul Jones	NOP	300, 600	PĞ	do	U. S. Navy.
Pearl Shell	WIC	300, 600	- ~	Pearl Shell S. S. Co	Marconi Co.
Pennsylvania	WWI	300, 600	PG	Pacific Mail S. S. Co.	Marconi Co.
Pennsylvanian	WKP	300, 600	PĞ	American-Hawaiian S. S. Co.	Vessel owner.
Peoria	NOW	300, 600	PG	Government	U. S. Navy.
Pequonnock	KXP	300, 550,	PĞ	New England S. S.	Nat. Elec. Sig-
1 oquoimock	1221	600.	- 4	Co.	naling Co.
Pere Marquette	WDA	300,600	PG	Pere Marquette R. R. Co.	Marconi Co.
Pere Marquette 17.	WDC	300, 600	PG	do	Marconi Co.
Pere Marquette 18	WDD	300, 500, 600.	PĞ	do	Marconi Co.
Pere Marquette 19	WDB	300, 500, 600.	PG	do	Marconi Co.
Pere Marquette 20	WDE	300, 500, 600.	PG	do	Marconi Co.
Perfection	KTN	300, 600	PG	Standard Transportation Co.	Marconi Co.
Perkins	NOX NOY	300, 600	PG PG	Government	U. S. Navy.
Perry		300, 600 300, 600	PG	Merchants & Miners'	U. S. Navy. Marconi Co.
_	KQX			Transp. Co.	
Petoskey	WDH	300, 600	PG PG	Pacific Mail S. S. Co Chicago & South Haven S. S. Co.	Marconi Co. Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
PetrelPetrolite	NOZ KIF	300, 600 300, 425, 600.	PG PG	Government Standard Oil Co. of N. J.	U. S. Navy. Vessel owner.
Philadelphia	KDA	300, 450, 600.	PG	Atlantic & Caribbean Steam Nav.	Marconi Co.
Philadelphia	KSM	300, 600	PG	Co. (Red D Line). International Mercantile Marine Co.	Marconi Co.
Pioneer	KIG	300, 600	PG	(American Line). Standard Oil Co. of N. J.	Vessel owner.
Pioneer	WPN	300, 600	PG	Puget Sound Tug Boat Co.	Vessel owner.
Pittsburgh Platuria	NOT KSE	300, 600 300, 600	PG PG	Government Standard Oil Co. of N. J.	U. S. Navy. Marconi Co.
Pleiades	WNP	300, 600	PG	Edgar F. Lucken- bach.	Marconi Co.
Plymouth	KXH	300, 550, 600.	PG	New England S. S.	Nat. Elec. Sig- naling Co.
Polarine	KQI	300, 450, 600.	PG	Standard Oil Co. of N. J.	Vessel owner.
Pompey	NQF KGP	300, 600 300, 450, 600.	PG PG	Government New York & Porto Rico S. S. Co.	U. S. Navy. Marconi Co.
Portland	WNV	300,600	PG PG	Nyno Line (Inc.)	Vessel owner. U. S. Navy.
Potomac Powhatan	NQK KQY	300, 600 300, 450,	PG	Government Merchants & Miners'	Marconi Co.
Prairie	NQM	600. 300, 600.	PG	Government	U. S. Navy.
Preble President	NQN WGP	300, 600	PG PG	Pacific Coast S. S.	U. S. Navy. Marconi Co.
Preston Princess Anne	NQO KOB	300, 600 300, 450, 600.	PG PG	Co. Government Old Dominion S. S. Co.	U. S. Navy. Marconi Co.
Princeton	KST	300,600	PG	Standard Oil Co. of N. J.	Marconi Co.
Princeton	NQP	300, 600	PG	Government	U. S. Navy.
Priscilla	KXI	300, 550, 600.	PG	New England S. S.	Nat. Elec. Sig- naling Co.
Proteus	NQR KKP	300, 600 300, 450,	PG PG	Government Southern Pacific Co	U. S. Navy. Marconi Co.
Proteus	NNG	300, 600	PG	Government	U. S. Navy.
Providence	KXJ	300, 550, 600.	PG	New England S. S. Co.	Nat. Elec. Sig- naling Co.
Providencia	WIK	300, 600	PG	Olson & Mahony	Golden Gate Transp. Co.
Puritan	WDU	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
Quantico	KQQ	300, 450, 600.	PG	Merchants & Miners Transp. Co.	Marconi Co.
Queen Radiant	WGX KTR	300, 600 300, 600	PG PG	Pacific Coast S. S. Co. Standard Transporta- tion Co.	Marconi Co. Marconi Co.
Rainbow	NTD	300, 600	PG	Government	U. S. Navy.
Raleigh Ranger	NTE NFU	300, 600 300, 600	PG PG	dodo	U. S. Navy. U. S. Navy.
Ravalli		300,600		Pacific Coast S. S. Co.	

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Rayo	KTL	300, 600	PG	Standard Transporta- tion Co.	Atlantic Com- munication Co.
Redondo	WBM	300,600	PG	Alaska S. S. Co	Vessel owner.
Reid	NTU	300, 600	PG	Government	U. S. Navy.
Relief	KVZ KRJ	300, 600	P PG	MexicanTelegraphCo. Merritt & Chapman Derrick & Wreck- ing Co.	Vessel owner. Vessel owner.
Remlik	KZR	300,600	PG	Willis S. Kilmer	Vessel owner.
Reno	WYN	300	0	Government	U. S. Army.
Republic Rescue	WSU KRP	300,600	PG PG	John A. Hooper Merritt & Chapman	Marconi Co. Vessel owner.
Nescue	KIVI	300, 600	10	Derrick & Wreck- ing Co.	vesser owner.
Restorer	WIU	250, 300, 600.	P	Commercial Pacific Cable Co.	Vessel owner.
Reuce	WSR	300, 525, 600.	PG	Columbia River Packers' Assn.	Vessel owner.
Rhode Island Richard	NTX WLG	300, 600	PG.	Government Richard Hulett&Son.	U. S. Navy.
Richard Peck	KXR	300, 600 300, 450 500, 550,	PG	New England S. S. Co.	Nat.Elec. Sig- naling Co.
Richmond	WTR	300, 600	PG	Standard Oil Co. of	Marconi Co.
Rio Grande Roamer	KEG KZN	300, 600 300, 450,	PG PG	Cal. Mallory S. S. Co State of Florida	Marconi Co. Vessel owner.
Rochester	KDY	600. 300, 450, 600.	PG	Vacuum Oil Co	Marconi Co.
Rockingham	WKY	300, 450, 600.	PG	Garland S. S. Corp	Marconi Co.
Roe Roosevelt	NTZ NLR	300, 600 300, 600	PG O	Governmentdo	U. S. Navy. U. S. Dept. of Commerce.
Rose City	wwr	300, 600	PG	San Francisco & Portland S. S. Co.	Marconi Co.
Royal Arrow	KSW	300, 450, 600.	PG	Standard Transp. Co.	Marconi Co.
Sabine	KEB	300, 450, 600.	PG	Mallory S. S. Co	Marconi Co.
Sacramento	NQV	300, 600	PG	Government	U. S. Navy.
SalemSamson	WOS	300, 600	PG PG	Columbia Contract	U. S. Navy. Vessel owner.
San Francisco	KRT	300, 600	PG	U. S. Steel Products	Marconi Co.
San Francisco San Jacinto	NTQ KES	300, 600 300, 450, 600.	PG PG	Government Mallory S. S. Co	U. S. Navy. Marconi Co.
San Jose San Juan	WWL KGJ	300, 600 300, 450, 600.	PG PG	Pacific Mail S. S. Co New York & Porto Rico S. S. Co.	Marconi Co. Marconi Co.
San Juan	wwm	300, 600	PG	Pacific Mail S. S. Co.	Marconi Co.
San Marcos San Mateo	KEK KLV	300, 600 300, 600	PG PG	Mallory S. S. Co San Mateo S. S. Corp.	Marconi Co.
San Ramon	wnw	300, 600	PG	Parr-McCormick S. S. Co.	graph Co. Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Santa Ana	WAL	300, 600	PG	Alaska S. S. Co	Vessel owner.
Santa Barbara	WBJ	300, 450, 600.	PĞ	Atlantic & Pacific S. S. Co.	Marconi Co.
Santa Catalina	WBC	300, 600	$\mathbf{PG}$	do	Marconi Co.
Santa Cecilia	WBB	300, 600	PG	do	Marconi Co.
Santa Clara	WBA	300, 600	PG	do	Marconi Co.
Santa Cruz	$\overline{\text{WBD}}$	300, 600	PG	do	Marconi Co.
Santa Maria	WTF	300, 600	PG	Santa Maria S. S. Co.	Federal Tele- graph Co.
Santa Marta	KLG	300, 600	PG	Santa Marta S. S. Corp.	Tropical Radio Tele- graph Co.
Santanta	KZS	300, 600	P	Osborne Howes	Vessel owner.
Santa Rita	WMC	300, 525, 600.	PG	W. R. Grace & Co	Vessel owner.
Santa Rita	WTG	300, 600	PG	Sun Co	Marconi Co.
Santa Rosalia	KLO	300, 600	PG	U. S. Steel Products Co.	Marconi Co.
Santiago	KWE	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward	Marconi Co.
·				Line).	
Saramacca	KLH	300, 600	PG	Saramacca S. S. Corp.	Tropical Radio Tele-
Q4	777770	200 450	TDC	N N Colo Mail	graph Co.
Saratoga	KWS	300, 450, 600,	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Saratoga	NTR	300, 600	PG	Government	U. S. Navy.
Sarnia	KVR	300, 600	PĞ	Bay S. S. Co. of America (Ltd.).	Marconi Co.
Satellite	KPS	300, 600.	PG	Alfred S. Sorensen & Sons.	Vessel owner.
Satsuma	KJI	300, 600	PG	Barber & Co	Marconi Co.
Saturn	NNM	300, 600	PG	Government	U. S. Navy.
Sayonara	KYJ	300, 600		A. J. Drexel	Vessel owner.
Scorpion	NTT	300, 600	PG	Government	U. S. Navy.
Sea Rover	WRP	300, 600	PG	Ship Owners' & Mer- chants' Tug Boat	Vessel owner.
Security	KSJ	300, 600	PG	Co. Standard Transpor- tation Co.	Marconi Co.
Seeandbee	WFS	300, 600	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
Seguranca	KWG	300, 600	PG	Seguranca S. S. Corp.	Marconi Co.
Seminole	NRS	300, 600	PG	Government	U. S. C. G.
Senator	WGS	300, 600	PG	Pacific Coast Co	Marconi Co.
Senator Bailey	KGS	300, 450, 600.	PG	Gulf Refining Co	Marconi Co.
Seneca	NRE	300, <i>600</i> , 750.	PG	Government	U. S. C. G.
Seward	WAV	300, 600	$\mathbf{PG}$	Alaska S. S. Co	Vessel owner.
Shenango	KTC	300, 600	$\mathbf{PG}$	Gulf Refining Co	Marconi Co.
Sheridan	WXJ	600	PG	Government	U.S. Army.
Sherman Sialia	WXK WFY	600	<b>P</b> G	J. K. Stewart	U. S. Army. Atlantic Communication
Sibi <b>ria</b>	KVS	300, 600	PG	Bay S. S. Co. Of	Co. Marconi Co.
			_	· America (Ltd.).	
Sierra	WHJ	300, 600, 1800.	PG	Oceanic S. S. Co	Federal Tele- graph Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

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Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Silver Shell	WIA	300, 450, 600.	PG	Silver Shell S. S. Co.	Marconi Co.
Sixaola	KDS	300, 600	PG	Sixaola S. S. Corp	dio Tele-
S. M. Fischer	WPH	300, 600	PG	Reid Wrecking Co	graph Co. Marconi Co.
Smith	NSQ	300, 600	PG	Government	U. S. Navy.
Snohomish	NRF	300, 600	PG	do	U. S. C. G.
8. O. Co. No. 91	WTU	300, 600	PG	Standard Oil Co. of Cal.	Marconi Co.
S. O. Co. No. 93	WTY	300, 600	PG	do	Marconi Co.
S. O. Co. No. 95	WTZ	300, 600	PG	do	Marconi Co.
Socony	KTX	300, 600	PG	Standard Oil Co. of N. Y.	Atlantic Com- munication Co.
Solace	NST	300, 600	PG	Government	U. S. Navy.
Somerset	KQS	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Somerset	KSU	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Sonoma	WHM	300, 600	PG	Oceanic S. S. Co	Federal Tele- graph Co.
Sonoma	NTG	300, 600	PG	Government	U.S. Navy.
Sotoyomo	NUX	300, 600	PG	do	U. S. Navy.
South American	WEO	300, 600	PG	Chicago, Duluth & Georgian Bay S. S. Co.	Marconi Co.
South Carolina	NSW	300, 600	PG	Government	U. S. Navy.
South Dakota Speedwell	NSX WQS	300, 600	PG PG	A. F. Estabrook (Sou.	U. S. Navy. Marconi Co.
a 1	Wan	000 000	200	Oreg. Transp. Co.).	
Sprigg Carroll	WGE	300, 600	PG	Pacific Coast Co	Marconi Co.
Standard	WZU KIC	1200	PG	Government Standard Oil Co. of	U. S. Army.
Standard	KIU	300, 450, 600.	PG	N. J.	Marconi Co.
Standard II Standard Arrow	KSA KSV	300, 600 300, 450,	PG PG	Standard Transp. Co.	Marconi Co. Marconi Co.
Starlite	KPK	600. 300, 600	PG	Standard Oil Co. of	Marconi Co.
Starr	WPS	300, 600	PG	N. J. San Juan Fishing &	Vessel owner.
State of Ohio	WFR	300, 600	PG	Packing Co. Cleveland & Buffalo	Marconi Co.
Sterrett	NTB	300, 600	PG	Transit Co. Government	U. S. Navy.
Stewart	NTC	300, 600	PG	dovernmentdodo	U. S. Navy.
St. Francis	ŴĦЙ	300, 600	PĞ	Alaska Fishermen's Packing Co.	Vessel owner.
St. Louis	KSL	300, 600	PG	International Mer- cantile Marine Co.	Marconi Co.
St. Louis	NTF	200 600	DC.	(American Line). Government	TT C N
St. Nicholas	WSS	300, 600	PG PG	Columbia River	U.S. Navy. Vessel owner.
				Packers' Association.	
St. Paul	KSO	300, 600	PG	International Mercantile Marine Co.	Marconi Co.
Stranger	MCD	200 200		(American Line).	
Stranger	NSR KNS	300, 600 300, 600		Government Cuba-Distilling Co	Marconi Co
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SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

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Vessel.	Call signal.	Wave lengths.	Serv- icė.	Owner of vessel (line).	Station control by—
Sumner	WXL	600	PG	Government	U. S. Army
Sun	KTU	300, 600	PG	Sun Co	Marconi Co
Sunlite	KPQ	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co
Supply	NTK	300, 600	PG	Government	U. S. Navv
Suriname	KLI	300, 600	PG	Suriname S. S. Corp	Tropical R
			i		graph Co.
Suruga	KGD	300, 450, 600.	PG	Barber & Co	Marconi Co.
Suwannee	KQZ	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Sylph	NTL	300,600	PG	Government	U.S. Navy.
Tacoma	NUA	300,600	PĞ	do	U.S. Navy.
Tallahassee	NUC	300,600	PG	do	U. S. Navv.
Tallapoosa	NRV	300, 600,	PG	do	U. S. C. G.
		750, 1000.			0.2.0.0.
Tamesi	WTE	300, 600	PG	Freeport & Tampico Fuel Oil Transp. Co.	Marconi Co.
Tasco	KFT	300, 400, 480,600.	PG	T. A. Scott Co. (Inc.).	Vessel owner
Tatoosh	WPE	300, 600	PG	Puget Sound Tug Boat Co.	Vessel owner
Tenadores	KLB	300, 600.	PG	Tenadores S. S. Corp.	Tropical Ra
W	NITTO	000 000	DO.	G	graph Co. U. S. Navy.
Tennessee	NUG	300, 600	PG	Government	U.S. Navy.
Terry		300, 600	PG	do	U. S. Navy.
Texan	. WKT	300,600	PG	American-Hawaiian S. S. Co.	Vessel owner
Texas	KUM	300, 450, 600.	PG	The Texas Co	Marconi Co.
Texas	NCD	300,600	PG	Government	U. S. Navy.
The Harvester	WCR	300, 600	PĞ	Wisconsin Steel Co	Marconi Co.
The Limit	wcv	300, 600		Whitney Bros. Co	Marconi Co.
Thetis	NRT	300, 600		Government	U. S. C. G.
Thomas	WXM	600	PĞ	do	U.S. Army.
Tionesta	WCA	300, 600	PG	Erie & Western Transp. Co. (An- chor Line).	Marconi Co.
Tivives	KMI	300, 600	PG	Tivives S. S. Corp	Tropical Ra- dio Tele-
				<b> </b>	graph Co.
<u>T</u> oledo	KTV	300,600	PG	Sun Co	Marconi Co.
Tonopah	NUN	300, 600	PG	Government	U. S. Navy.
Topila	KKE	300, 600	PG	Southern Pacific Co	Marconi Co.
Tormenter	KFN	300, 600		Freeport & Tampico Fuel Oil Transp. Co.	Marconi Co.
Trinidadian	KNO	300,600	PG	Gulf Refining Co	Marconi Co.
Trippe	NUQ	300, 600	PĞ	Government	U. S. Navy.
Truxton	NUS	300, 600	PĞ	do	U. S. Navy. U. S. Navy.
Turrialba	NUS KDT	300, 600	PĞ	Turrialba S. S. Corp.	Tropical Ra- dio Tele-
m			T-~		graph Co. U. S. C. G.
Tuscarora	NRL	300, 600	PG	Government	
Twilite	KPO	300, 600	PG	Standard Oil Co. of   N. J.	Marconi Co.

### SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Tyee	WPC	300, 600	PG	Puget Sound Tug	Vessel owner.
Ulysses	KPU	300,600		Boat Co. Panama Canal	
Umatilla	WGU	300,600	PG	Pacific Coast S. S. Co.	Marconi Co.
Unalga	NRX	300, 600,	PG	Government	U. S. C. G.
TT	NIXID	800.	DC	J.	TI C Massa
Uncas	NVF	300, 600	PG PG	do	U. S. Navy.
Utah	NVE KYT	300, 600	P	Morton F. Plant	U. S. Navy.
Vanadis		300, 600	P	T D Consoller	Vessel owner.
Venetia	WOV	300, 600	1	J. D. Spreckles	Vessel owner.
Venezuela	WHL	300, 600	PG	Pacific Mail S. S. Co. Oceanic S. S. Co	Federal Tele-
Ventura	WILL	300, <i>600</i> , 1800.	10	Oceanic S. S. Co	graph Co.
Vermont	NVK	300, 600	PG	Government	U.S. Navy.
Vesta	KTS	300, 600	PG	Standard Transpor-	Marconi Co.
v 050a	ILID	300,000	14	tation Co.	marcom co.
Vestal	NMC	300,600	PG	Government	U. S. Navy.
Vesuvius	NVM	300, 600	PG	do	U. S. Navy.
Vicksburg	NVN	300, 600	PG		U. S. Navy.
Victoria	WAD	300,600	PG	Alaska S. S. Co	Vessel owner.
Vigilancia	KWV	300, 600	PG	Gaston, Williams &	Marconi Co.
				Wigmore.	
Vigilant	KPG	300,600	PG	Clinchfield Nav. Co.	Marconi Co.
77:11-1-h	NVP	200 000	PG	(Inc.).	U. S. Navy.
Villalobos	KFR	300, 600	PG	Gaston, Williams &	Marconi Co.
Virginia	MIM	300, 600	10	Wigmore S. S. Corp.	Marconi Co.
Windsia	WFH	300,600	PG	Goodrich Transit Co.	Marconi Co.
Virginia			PG	Government	U. S. Navy.
Virginia	$\frac{\text{NVR}}{\text{WKV}}$	300, 600	PG	American-Hawaiian	Vessel owner.
Virginian	AATTA	300,000	10	S. S. Co.	v coser owner.
Vixen	NSU	300, 600		Government	U. S. Navy.
Vulcan	NVT	300,600	PG	do	U. S. Navy.
Wakiva	KYI	300, 600	PG	H. S. Harkness	Marconi Co.
Walke	NWL	300,600	PG	Government	U. S. Navy.
Wallula	WPY	300, 600	PG	Port of Portland, Oreg.	Marconi Co.
Wana	KYX	300, 600	P	George C. Sherman	Marconi Co.
Wapama	WMG	300, 600	PG	Wapama S. S. Co	Marconi Co.
Warren	WXN	600	PG	Government	U. S. Army.
Warrington	NWD	300, 600	PG	do	U. S. Navy.
Washington	NWE	300,600	PG	do	U. S. Navy.
Wasp	NSV	300,600	PG	do	U. S. Navy.
Wayfarer	KYW			Alfred G. Vanderbilt.	
W. B. Flint	WHG	300, 600	PG	Alaska Fishermen's	Vessel owner.
W. B. Keene	KWK	300, 600	PG	Packing Co. Hilton Dodge Transp.	Marconi Co.
Westoil	KJT	300, 600		Co. Standard Oil Co. of	
Woston- States	WED	200 450	PG	N. J. Detroit & Cleveland	
Western States	WED	300, 450, 500, 600.	10	Nav. Co.	
West Virginia	NWG	300, 600	PG	Government	U. S. Navy.
Westwego	KGE	300, 450,	PG	Union Petroleum S. S. Co.	Vessel owner.
Wheeling	NWH	300,600	PG	Government	U. S. Navy.
Whipple	NWI	300, 600	PG	do	U. S. Navy.
Whittier	WHT	300, 600,	PG	Union Transp. Co	Federal Tele-
Wico	KNN	1800. 300, 600	PG	Standard Oil Co. of	graph Co. Marconi Co.
VV1CO	TYTATA	000,000	10	N. J.	manconi co.

### 44 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

### SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Wild Duck Wilhelmina	KYG WMO	300, 600 300, 450, 600.	PG PG	Gulf Refining Co Matson Nav. Co	Marconi Co. Marconi Co.
Willamette Wm. F. Herrin	WSW WTN	300, 600.	PG PG	Willamette S. S. Co. Associated Oil Co	Marconi Co. Federal Tele-
William O'Brien	KPN	1800. 300, 600.	PG	East Coast Transp.Co.	graph Co. Marconi Co.
Wilmington	NWK	300, 600	$\widetilde{PG}$	Government	U. S. Navy.
Windber	WND	300, 600	PG	Pacific-American Fisheries.	Marconi Co.
Winifred	KTE	300, 600	PG	Gulf Refining Co	Marconi Co.
Winslow	NJA	300, 600	PG	Government	U. S. Navy.
Wisconsin	NWM	300, 600	PG	do	U. S. Navy.
Worden	NWP	300, 600	PG	do	U. S. Navy.
W. S. Porter	WTM	300, 600	PG	Associated Oil Co	Marconi Co.
Wyoming	NWQ	300, 600	PG	Government	U. S. Navy.
Yale	WRY	300, 600	PG	Metropolitan S.S.Co. (Pacific Steam Nav. Co.).	Federal Telegraph Co.
Yamacraw	NRY	300, 600	PG	Government	U. S. C. G.
Yankton	NSK	300, 600	PG	do	U. S. Navy.
Yorktown	NQX	300, 600	PG	do	U. S. Navy.
Yosemite	WQY	300, 600	PG	Yosemite S. S. Co	Marconi Co.
Yucatan	WMY	300, 600	PG	North Pacific S. S. Co.	Marconi Co.
Zacapa	KLE	300, 600	PG	Zacapa S. S. Corp	Tropical Ra- dio Tele- graph Co.
Zapora	WPQ	300,600	PG	Booth Fisheries Co	Vessel owner.
Zealandia	KNR	300, 600	PG	Fiske Trading Co	Nat. Elec. Sig- naling Co.
Zulia	KDZ	300, 450, 600.	PG	Atlantic & Carribbean Steam Nav. Co. (Red D Line).	Marconi Co.

[This list includes all call signals which have been assigned to United States radio stations, except amateur and certain "special" stations. b=ship station; c=land station.]

Call signal	Station.	Call signal.	Station.
KDA KDB	Philadelphiab Caracasb	KEN	
KDC KDD KDE	Douglas, Ariz	KEO KEP	Lampasasb
KDF KDG	Coppenameb Parisminab	KEQ	
KDH KDI	Herediab Abangarezb	KER KES KET	San Jacintob Bolinas, Calc
KDJ KDK	Atenasb	KEU	
KDL KDM	Maracaibob	KEV	
KDN	***************************************	KEW KEX	Los Angeles, Calc
KDO •	Portland, Oregc	KEY KEZ KFA	Brazosb City of Columbusb
KDQ		KFB KFC	City of Atlantab Maconab
KDR KDS	Sixoalab	KFD KFE	City of Memphisb
KDT KDU	Turrialbab Juneau, Alaskac	KFF	
KDV		KFG	
KDW KDX KDY	Bayamon b Rochester b	KFH KFI KFJ	Herman Frasch. b I. D. Fletcher. b City of Augusta. b
KDZ	Zuliab	KFK KFL	City of Savannahb
KEA KEB KEC	Sabineb Conchob	KFM KFN	Tormenter b
KED KEE	Nechesb	KFO KFP	Buccaneer. b Nacoochee. b
KEF KEG KEH KEI KEJ	Rio Grande       b         Nueces       b         Medina       b         Alamo       b	KFQ KFR KFS KFT KFU	Virginia b San Francisco, Cal c Tasco b Lents, Oreg c
KEK	San Marcosb	KFV	
KEL KEM	Comal b	KFW KFX	City of St. Louisb

Call signal.	Station.	Call signal.	Station.
KFY KFZ	City of Montgomery b Inglewood, Cal	KHU	
KGA KGB	Coamo b Carolina b	KHV	
•	,	KHW	Hasia Daina Hamaii
KGC KGD	Surugab	KHX	Heeia Point, Hawaiic
KGE	Westwegob	KHY	•
KGF		KHZ	Andrew
KGG		KIA KIB	Ardmore
KĞĦ	Hollister, Calc	KIC	Standardb
KGI	Oakland, Calc	KID	Matinicockb
KGJ . KGK	San Juan	KIE KIF	Koko Head, Hawaiic Petroliteb
KGL	Edgar F. Luckenbach b Dochra b	KIG	Pioneer b
KGM	Mexicano b	KIH	Corningb
KGN	Albina, Oregc	KII	Evangeline b
KGO	Underwood, Washc	KIJ	Acmeb
KGP	Ponceb	KIK KIL	Atlanticb Hewittb
KGQ		KIL	newitt
KĞŘ	Atlantab	KIM	
KGS	Senator Baileyb		
KGT	J. L. Luckenbachb	KIN	
KGU	Onegab	кю	
KGV KGW	Fred'k Luckenbachb D. N. Luckenbachb	KIU	
KĞX	Harry Luckenbachb	KIP KIQ	Astral b
KGY		KIR	
KGZ			
KHA	Larsen Bay, Alaskac	KIS	
KHB KHC	Koggiung, Alaskac	KIT	
	,		
KHD		KIU KIV	Iditarod, Alaskac
KHE		KIW	Vietor, Colo
KHF	Snag Point, Alaskac	KIX	Denver, Coloc
KHG	Clarks Point, Alaska c	KIY	Colorado Springs, Colo c
кнн		KIZ KJA	Brooks, Alaskac
		KJB	Bunker Hillb
KHI	Vala Haad Hamil		
KHJ KHK	Koko Head, Hawaiic Wahiawa, Hawaiic	KJC	
KHL	Lahaina, Hawaii	KJD KJE	North Landb Georgianab
KHM	Lihue, Hawaii	KJF	Carolinian b
KHN	Lihue, Hawaiic Kawaihae, Hawaiic	1101	
кно	Kaunakakai, Hawaii c	KJG	Euranab
KHP KHQ	Phoenix, Arizc	КЈН	
KHR	Thoenix, Aliz	KJI	Satsumab
KHS		KJJ	
KHT	Naknek, Alaskac	KJK	1

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KJL KJM KJN	Massachusettsb	KLF KLG KLH KLI	Metapan. b Santa Marta b Saramacca b Suriname b
KJO KJP	Old Colonyb	KLJ KLK	Craster Hallb
KJQ		KLL	
KJR KJS KJT KJU	Rialto, Cal	KLM KLN KLO	Bantu b Kentra b Santa Rosalia b
			,
KJV KJW		KLQ KLR KLS	Crofton Hallb Los Angeles, Calc
KJX		KLT KLU KLV	Howick Hallb Charlton Hallb San Mateob
KJY		KLW	
KJZ KKA KKB	Antilles b El Sol b	KLX	
KKC KKD	Chalmetteb	KLY	
KKE	Comusb Topilab	KLZ KMA	Alliançab
KKF		кмв	,
KKG		KMC	Clincherb
KKH .	······	KMD	Cristobalb
KKI KKJ		KME KMF KMG	Egegak, Alaskac Nushagak, Alaskac
KKK		KMH KMI	Panamab Tivivesb
KKL KKM KKN KKO KKP	El Alba       b         Momus       b         El Norte       b         Excelsior       b         Proteus       b	KMJ KMK KML KMM	Naknek, Alaskac Alockanok River, Alaskac Panucob
KKQ KKR KKS	El Sud b Creole b El Siglo b	KMN	
KKT KKU	El Cidb   El Mundob	KMO KMP	Metha Nelson
KKV KKW KKX	El Orienteb El Valleb El Occidenteb	KMQ	
KKY KKZ KLA KLB KLC KLD	El Dia.       b         El Rio.       b         Pastores.       b         Tenadores.       b         Calamares.       b         Almirante.       b	KMR KMS KMT KMU KMV KMW	Anconb Hales Creek, Alaskac Ugashik, Alaskac Advanceb Akutan, Alaskac
KLE	Zacapab	KMX	l Colonb

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

KNZ	Call signal.	Station.	Call signal.	Station.
KMZ	KMY		KOU	
NA				Olivetteb
KNA         Dorothy Bradford         b         KOX         Henry M. Flagler           KNB         Lexington         b         KOY         Miami           KND         Beverly         b         KOY         Miami           KND         Beverly         b         KOY         Miami           KND         Beverly         b         KOY         Miami           KNE         KPE         KPE         Seattle, Wash           KNE         KPD         KST         KST         KST           KNI         Brockton         b         KPE         KST	KMZ			Mascotteb
Lexington	KNA	Dorothy Bradfordb		Henry M. Flaglerb
KNC   Concord   Beverly   Beverly   KOZ   KOZ   KND				,
RND			KOY	
KNE				Miamib
KNE		*		Seattle, Washc
KNF   KNG   Bradford   b   KPD   KNH   Brockton   b   KNI   De Soto   b   KNI   De Soto   b   KNI   Sandy Hook   b   KNI   Nelson   b   KNH   KNI   Nelson   b   KNH   KNI   Nelson   b   KNH   KNI   KNI   Millinocket   b   KNH   KNI   KNO   Trinidadian   b   KNP   KNO   KNO   Trinidadian   b   KNP   KNN   KNO   KNO	KNE			Ketchikan, Alaskac
KNF   KNG   Bradford   b   KNH   Brockton   b   KNE   Scattle, Wash   KNI   De Soto   b   KNK   Sandy Hook   b   KNK   KNK   KNE				Astoria, Oregc
RNH	KNF		1	, ,
RNH	KNG	Bradfordb	KPD	<b> </b>
No.	KNH			
KNK         New York         b         KPG         Vigilant           KNN         Nelson         b         KPH         Willinocket         b         KPH         Hillcrest, Cal         Avalon, Cal         Exst San Pedro, Cal         KPH         KNPI         KRPI         KRPI         KNPI         East San Pedro, Cal         Starlite         Moonlite         KPM         KRPM         KRPM         KRPM         KRPM         KNPM         KNPM         KNPM         William O'Brien         Twilite         Dawnlite         Moonlite         Moonlite         Milen         Milen         Brien         Twilite         Dawnlite         Sunlite         Dawnlite         Moonlite         Milen	KNI	De Sotob		=====================================
Nelson	KNJ	Sandy Hookb	TDE	
No.				
No.				Hillcrost ('al
No		Millinocketb		
KNO				
No		1 22		Starliteb
KNQ   KNR   KNR   KNR   KNR   KNR   KNS   Sucrosa   b   KPO   KNV   Milelam O'Brien   Twilitie   Dawnlite   MPO   Sunlite   Dawnlite   Sunlite   Dawnlite   MPO   Sunlite   MPO	KNP	Daytonb		
No.   No.				Eureka Cal c
KNR   KNR   KNR   KNR   KNR   KNR   KNR   KNR   Mielero.				William O'Brienb
No.				Twiliteb
KNU   KNU   Curier				Dawnliteb
KNU   Currier   Cubadist   b				Sunliteb
KNV				Dayliteb
KNW   KNX   Moreni	KNV	Cubadistb	KPS	Satelliteb
KNX	TZ NIXY			Achillesb
KNY			KPU	Ulyssesb
KNZ   KOA   Hamilton	MMA	Moreiii		1
KNZ   KOA	KNV		KPV	
KNZ   KOA   Hamilton	IXII I		KPW	Cape ('odb
KOA         Hamilton         b           KOB         Princess Anne         b           KOD         Jamestown         b           KOD         Jefferson         b           KOE         Communipaw         b           KOF         Healdton         b           KOH         Glenpool         b           KOI         Polarine         b           KOJ         KQC           KOK         KQD           KOL         Mount Hope         b           KOM         Campana         b           KOO         Amazonia         b           KOP         KQI           KQR         KQR           KQR         KQR           KQR         KQR           KQR         KQR	KNZ		KPX	Marshfield, Oregc
KOB         Princess Anne         b         KPY           KOC         Jamestown         b         KPZ           KOE         Communipaw         b         KPZ           KOF         Healdton         b         KQA           KOG         Madison         b         KQA           KOH         Glenpool         b         KQB           KOI         Polarine         b         KQE         Cretan           KOZ         KQE         Essex           KOK         KQE         Essex           KOM         Campana         b         KQF           KON         Orleanian         b         KQH           KOP         KQI         KQI           KOP         KQI         Juniata           KQK         Kershaw				
KOC         Jamestown         b         KPZ           KOD         Jefferson         b         KPZ           KOE         Communipaw         b         KQA           KOF         Healdton         b         KQA           KOH         Glenpool         b         KQB           KOI         Polarine         b         KQC         Cretan           KOJ         KQE         Essex           KOK         KQE         Essex           KOM         Campana         b         KQF           KON         Orleanian         b         KQH           KOP         KQI         KQI           KQR         KQK         Kershaw			KPY	
KOD         Jefferson         b         KPZ           KOE         Communipaw         b         KQA           KOF         Healdton         b         KQA           KOG         Madison         b         KQB           KOH         Glenpool         b         KQB           KOI         Polarine         b         KQC         Cretan           KOZ         Essex         Cretan         Dorchester         Essex           KOK         KQE         Essex         Essex           KOM         Campana         b         KQH         Howard           KOO         Amazonia         b         KQI         Juniata           KOP         KQK         KQK         Kershaw				
KOE         Communipaw         b           KOF         Healdton         b           KOG         Madison         b           KOH         Glenpool         b           KOI         Polarine         b           KOJ         KQB           KOJ         KQD           KOK         KQD           KOK         KQE           KOM         Campana         b           KOO         Amazonia         b           KOP         KQI           KOR         KQK           KOR         Navahoe         b           KQL         KQL			KPZ	
KOF         Healdton         b         KQA           KOG         Madison         b         KQB           KOH         Glenpool         b         KQB           KOI         Polarine         b         KQC           KOJ         KQD         Cretan           KOL         Mount Hope         b         KQF           KOM         Campana         b         KQH           KOO         Amazonia         b         KQH           KOP         KQI         KQI           KOQ         KQK         Kershaw				
KOG         Madison.         b         KQB         KQB         KQB         Cretan.         Cretan.         Dorchester.         Cretan.         Dorchester.         Essex.         Cretan.         Cretan.         Dorchester.         Essex.         Cretan.         Cretan. </td <td></td> <td>Healdtonb</td> <td>KOA</td> <td></td>		Healdtonb	KOA	
KOH         Glenpool         b         KQB         KQC         Cretan         Cretan         Dorchester         Cretan         Dorchester         Essex         Cretan         Dorchester         Essex         Cretan         Dorchester         Essex         Cretan         Dorchester         Essex         Gloucester         Essex         Cretan         Dorchester         Essex         Cretan         Dorchester         Essex         Gloucester         Howard         Cretan         Dorchester         Essex         Cretan         Dorchester         Essex         Cretan         Dorchester         Essex           KOM         Campana         b         KQH         KQH         Howard         Howard         Juniata         KQF         KQK         Kershaw           KOQ         KOR         Navahoe         b         KQL         KQL         Invairata         Kershaw	KOG	Madisonb	17.67.1	
KOT	KOH	Glenpoolb	TOP	1
KOJ         KQE         Dorchester.           KOK         KQE         Essex.           KOL         Mount Hope         b         KQF           KOM         Campana         b         KQG         Gloucester.           KOO         Amazonia         b         KQI           KOP         KQI         KQI         Juniata           KQK         Kershaw           KOR         Navahoe         b         KQL	KOI	Polarineb		
KOK   KOK   KOL   KOL   KOK   KOL   KOM   Campana   b   KOO   Amazonia   b   KOP   KOP   KOZ				
KOK         KOL         Mount Hope         b         KQF         Gloucester         Gloucester         Gloucester         Howard           KON         Orleanian         b         KQH         Howard         KQI         KQI         KQI         KQI         KQI         KQI         KQI         KQK         KQK         Kershaw         KQK         KQL	KOJ			
KOL         Mount Hope         b         KQF           KOM         Campana         b         KQG           KON         Orleanian         b         KQH           KOO         Amazonia         b         KQI           KQI         KQI         Juniata           KQK         Kershaw			17.673	136604
KOM         Campana         b         KQG         Gloucester           KON         Orleanian         b         KQH         Howard           KOP         KQI         KQI         KQI         KQI           KOQ         KQK         KQK         Kershaw           KOR         Navahoe         b         KQL			TOE	
KOM   Campana   Bo   KQH   Howard				
KOO			TO H	
KQI   KQJ   Juniata   KQK   Kershaw   KQL   KQ			TANTI	LIONALU
KOP         KQJ         Juniata.           KOQ         KQK         Kershaw.           KOR         Navahoe.         b         KQL	KOO	Amazoniab	TOI	1
KOQ KOR   Navahoe b KQL	TZ O.D.		KUI	
KOQ	KOL	•••••	KVK	Korshaw k
KOR   Navahoeb   KQL	77.00		TAN	INCIBILOW
KOS Brungwick b KOM Marrimack		Navahoo	TOT	
		Remograte	TOM TANT	Merrimackb
	$\mathbf{v}$	DIUIISWICK	K OM V OM	Nantucketb
	KOT		KUU	Ontariob

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KQP KQQ KQR KQS	Quantico b Grecian b Somerset b	KSI KSJ KSK KSL	H. H. Rogers b Security b Caddo b St. Louis b
KQT		KSM KSN	Philadelphia b New York b
KQU		KSO KSP KSQ	St. Paul. b Caloria. b Charles Pratt. b
KQV		KSR KSS	Bayway b South San Francisco, Calc
KQW KQX KQY KQZ KRA	Persian b Powhatan b Suwannee b Francis Hanify b	KST KSU KSV KSW	Princeton b Somerset b Standard Arrow b Royal Arrow b
KRB KRC	Governor Cobbb	KSX	
KRD KRE	Belfast b Bay State b	KSY	
KRF		KSZ KTA KTB	Larimerb Gulfstreamb
KRG KRH KRI KRJ KRK	City of Bangor b City of Rockland b Relief b Gargoyle b	KTC KTD KTE KTF KTG	Shenango         b           Ligonier         b           Winifred         b           J. M. Guffey         b           Gulfoil         b
KRL KRM KRN KRO KRP	Calvin Austin b Bramell Point b Rescue b	KTH KTI KTJ KTK KTL KTM KTN KTO	Illinois
KRQ KRR KRS KRT	Mills b Hiram B. Everest b San Francisco b	KTP KTQ KTR KTS	City of Everett b Radiant b Vesta b
KRU KRV KRW	Governor Dingley b Roche Harbor, Wash c	KTT KTU KTV KTW	Paraguay         b           Sun         b           Toledo         b           Delaware Sun         b
KRX		KTX	Soconyb
KRY		KTY	TD: 1211
KRZ KSA KSB KSC	Standard II b Motano b	KTZ KUA KUB	Brindillab Gulflightb
KSD KSE	Cushing b San Diego, Cal c Platuria b	KUC	
KSF KSG KSH	Finland b Baton Rouge b Kroonland b	KUD KUE	Gulfcoastb

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LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KUF		kvx	
KŬĠ	Munplaceb		
KUH	Munwoodb	KVY	]
			D-1
KUI	Munamarb	KVZ KWA	Relayb
KUJ	<u>  </u>	AWA	Buenaventurab
KŬK	Munsomo b	KWB	
KUL	Louisiana b	KWC	Morro Castle b
KUM		KWD	Antillab
	Texasb	KWE	Cantiana
KUN	Alabamab	KWE	Santiagob
KUO	Northwesternb	KWF	
ZIID			G
KUP		KWG	Segurancab
7770		KWH	Havanab
KUQ		KWI	Camagueyb
KUR	Georgiab		1
KUS	Floridab	KWJ	
KUT	Pan Americanb	KWK	W. B. Keeneb
UU	Brabantb		
		KWL	
KUV	• • • • • • • • • • • • • • • • • • • •		
KUW	New Yorkb	KWM	
	•	KWN	Guantanamob
XUX			
		KWO	
UY			
		KWP	
$\mathbf{U}\mathbf{Z}$			
XVA.	Apacheb	KWQ	
ΚŸΒ	Arapahoeb	KWŘ	Port Moller, Alaskab
KVČ	Comancheb	KWS	Saratogab
	Commencie	KWT	Teller, Alaskac
CVD			101101, 1111101111111111111111111111111
	!	KWU	
VE		KWV	Vigilanciab
VF	Iroquoisb		
ΧVG	Algonquinb	KWW	
ίνй	Huronb	KWX	Mexicob
- 1 11	1141011	KWY	
KVI		KWZ	Montereyb
Z A T	••••		Esperanzab
777		KXA	Bostonb
KVJ	Cll	KXB	City of Lowellb
KVK	Cherokeeb	*****	
KVL	Lenapeb	KXC	
KVM	Mohawkb	KXD	Maineb
		KXE	Mohawkb
VN	• • • • • • • • • • • • • • • • • • • •	KXF	New Hampshireb
***			
vo	i	KXG	
	1	KXH	Plymouth
CVP		KXI	Priscillab
		KXJ	Providenceb
ΚVQ		KXK	
KVR	Sarniab	KXL	City of Tauntonb
KVS	Sibiriab	KXM	Moheganb
		KXN	New Havenb
(VT		WWII	I I I I I I I I I I I I I I I I I I I
ζVU	1	KXO	
	Koggiung, Alaskac	KXP	Pequonnockb
VV	Loggiung, Alaska	KXQ	Chester W. Chapinb
vw	1	KXŘ	Richard Peckb

Call	Station.	Call	Station.
signal.	Station.	signal.	Station.
KXS		KZH	
KXT KXU	Dadeb	KZI	
KXV		KZJ	
		KZK	
KXW		KZL	Halcyonb
KXX		KZM KZN	Halcyonb Guianab Roamerb
KXY	•••••	KZO	
KXZ			
KYA	)	KZP	
KYB	North Windb	KZQ	
KYC KYD	Corsair	KZR KZS	Remlikb Santantab
KYE	Casianab	1120	Salitation
KYF		KZT	
KYG KYH	Wild Duckb	KZU	Josephineb
KYI	Alohab     Wakivab	177737	
KYJ KYK	Sayonarab	KZV	
KYL	Kismet b Lysistrata b	KZW	
KYM		KZX	
KYN	Niagarab	KZY	
KYO KYP	Nomab Oneidab	NZ I	••••
KYQ KYR	Californiab	KZZ	
KIK	Karinab	NAA	Washington, D. C
KYS		NAB	Portland, Mec Portsmouth, N. Hc
KYT KYU	Vanadisb Mohawkb	NAC NAD	Portsmouth, N. Hc Boston, Mass
		NAE	North Truro, Massc
KYV KYW	Wayfarerb	NAF NAG	Newport, R. Ic Fire Island, Long Island, N.Y.c
KYX	Wanab	NAH	New York (Brooklyn), N. Yc
KYY		NAI NAJ	Philadelphia, Pac Great Lakes, Illc
77.777		NAK	Annapolis, Mdc
KYZ KZA	Albertab	NAL NAM	Washington, D. C
	<u> </u>	NAN	Beaufort, N. Cc
KZB	Aliciab	NAO NAP	Charleston, S. C c St. Augustine, Fla c
KZC	Aztecb	NAQ	Jupiter, Fla
KZD		NAR NAS	Key West, Flac Pensacola, Flac
		NAT	New Orleans, La
KZE		NAU NAV	San Juan, P. R c Port Royal, S. C c
KZF		NAW NAX	Guantanamo Bay, Cubac Colon, Panamac
KZG	l	NAY	Point Isabel, Tex

Call signal.	Station.	Call signal.	Station.
NAZ NBA	Darien, Panamac	NCK NCL	Bealeb
NBB		NCM NCN	Birmingham b
NBC		NCO	
NBD	••••	NCP	
NBE		NCQ	
NBF		NCR	
NBG	Indianhead, Mdc		
NBH NBI	Ajaxb Alabamab	NCS	
NBJ NBK	Albanyb	NCT NCU NCV	Buffalob Burrowsb
NBL	Alertb	NCW	
NBM	••••	NCX NCY	
NBN	• • • • • • • • • • • • • • • • • • • •	NCZ	Caesarb Californiab
NBO NBP	Ammen b	NDA NDB	Castine b Celtic b
NBQ NBR	Annapolisb	NDC	
NBS		NDD	
NBT NBU NBV	Arethusa b Arkansas b	NDE NDF NDG	Chester b
NBW		NDH NDI	Cheyenneb Chicagob
NBX		NDJ	
NBY		NDK	Cimeinmali
NBZ		NDL NDM	Cincinnati b Cleveland b
NCA		NDN	Coloradob
NCB NCC	New Yórkb	NDO NDP	
NCD	Texasb	NDQ	Connecticutb
NCE NCF	Baileyb	NDR	•••••
NCG NCH	Baltimoreb	NDS	,
NCI	Dai(inioie	NDT NDU	Culgoab
NCJ		NDV	

Call signal.	Station.	Call signal.	Station.
NDW		NFH	
NDX NDY	Cyclops b	. NFI	
NDZ	Оусторы	NFJ <sub>.</sub>	
NEA		NFK	
NEB		NFL NFM	Fanningb
<b>NE</b> C		NFN	
NED	•••••	NFO	
NEE		NFP	
NEF		NFQ	Elemida h
NEG		NFR NFS	Floridab Flusserb
NEH		NFT NFU	Rangerb
NEI	<b></b>	NFV	
NEJ NEK	Delawareb	NFW	
NEL NEM	Denverb	NFX	
NEN	Des Moinesb	NFY	
NEO NEP NEQ	Dixieb Dolphinb	NFZ NGA NGB	Columbia. b Minneapolis b
NER		NGC NGD	Galveston b
NES NET NEU	Draytonb Dubuqueb	NGE NGF	Georgia. b
NEV		NGG NGH	Glacierb
NEW		NGI NGJ	Chattanooga. b Goldsborough b
NEX	••••	NGK	Marbleheadb
NEY		NGL	
NEZ NFA	Brooklynb	NGM	
NFB NFC	Milwaukeeb Eagle`b	NGN	
NFD NFE	Elcanob Charlestonb	NGO	
NFF	•••••	NGP	
NFG	l	NGQ	

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Station.	Call signal.	Station.
NGR'		NIF	
NGS	•••••	NIG	
NGT NGU	Hannibalb	NIH NII NIJ	Aylwin
NGV		NIK NIL	Cassinb Cummingsb
NGW NGX NGY	Hector b Helena b	NIM NIN NIO NIP NIQ NIR	Cushing b Downes b Kansas b Kearsarge b Kentucky b Duncan b
NHA	Henleyb	NIK	Duncan
NHB NHC NHD NHE NHF	Hopkins. b Monadnock b Hull b  Amphitrite b	NIS NIT NIU NIV NIW NIX NIY	McDougal         b           Nicholson         b           O'Brien         b           Lamson         b           Parker         b           Lawrence         b           Lebanon         b
NHH NHI	Ozarkb Hancockb	NJA NJB	Winslowb Louisianab
NHJ		NJC	Decaturb
NHK		NJD	
NHL		NJE	
NHM		NJF	
NHN NHO	Illinoisb	NJG NJH	Macdonoughb
NHP	T_J: h	NJI	
NHQ NHR	Indianab	NJJ	
NHS NHT	Iowa. b	NJK NJL	Maineb
NHU NHV	Irisb Iroquoisb	NJM	
NHW	, , , , , ,	NJN	
		NJO	
NHX		NJP	
NHY		NJQ NJR	Mariettab Marsb
NHZ	Dainhaidan	NJS	Marylandb
NIA NIB	Bainbridgeb Jarvisb	NJT NJU NJV	Massachusetts b Mayrant b Mayflower b
NIC NID	Jenkins b	NJW	McCallb
NIE	Jouettb	NJX	

	1	1	
Call signal.	Station.	Call signal.	Station.
NJY NJZ	Michiganb	NLQ NLR	Cape St. Elias, Alaskac Rooseveltb
NKA		NLS	
NKB		NLT	•••••
NKC NKD	Minnesotab	NLU	
		NLV	
NKE NKF NKG	Missourib Jacob Jonesb	NLW	
NKH	sacob solics.	NLX	
NKI		NLY	•••••
NKJ	•••••	NLZ NMA NMB	Nebraskab Nerob
NKK NKL	Monaghanb	NMC	Vestalb
NKM NKN NKO	Montana b Monterey b Montgomery b	NMD NME NMF	New Hampshire b New Jersey b
N K P		NMG NMH	New Orleansb Newportb
NKQ		NMI	
NKR		NMJ	
nks	•••••	NMK	•••••
NKT		NML	
n Ku n Kv		NMM NMN NMO	North Carolina b North Dakota b
NKW	, i	NMP	
NKX NKY	Nashvilleb	NMQ	
NKZ NLA	Navajob Nantucket Shoals Lightshipc	NMR NMS	Neptuneb
NLB NLC	Diamond Shoals Lightshipc Frying Pan Shoals Lightship.c	NMT	
NLD NLE	Relief Lightship 66 or 85b Relief Lightship 71 or 72b	NMU	
NLF NLG	Kukuib Relief Lightship 94 or 53b	NMV	
NLH NLI	Pattersonb Explorerb	NMW	Ohiob
NLJ NLK	Pathfinderb Bacheb	NMX	•••••
NLL NLM	Columbineb Cypressb	NMY NMZ	Oregonb
NLN NLO	Ellington b	NNA NNB	Brutusb Jasonb
NLP.	Heald Bank Lightshipc	NNC	Jupiterb

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continue

Call signal.	Station.	Call signal.	Station.
NND		NOO	••••
NNE	,	NOP	Paul Jones
NNF NNG	Nereusb Proteusb	NOQ	
NNH	Leonidasb	NOR	
NNI NNJ NNK	Justinb Nanshanb	NOS NOT	Pittsburgh
NNL		NOU	
		NOV	<u></u>
NNM.	Saturnb	NOW	Perkins
NNN		NOY	Perry
NNO		NOZ NPA	Petrel
NNP		NPB	Sitka, Alaska
NNP		NPC NPD	Puget Sound, Wash
NNQ		NPE	North Head, Wash
NNR		NPF NPG	Yerba Buena, Cal
NNS		NPH NPI	San Francisco, Cal
		NPJ	Balboa, Panama
NNT		NPK NPL	Point Árguello, Cal
NNU	••••	NPM NPN	Pearl Harbor, Hawaii
NNV		NPO	Cavite, P. I
NNW		NPP NPQ	Peking, China
NNX		NPR NPS	Dutch Harbor, Alaska
		NPT	Olongapo, P. I
NNY		NPU	Tutuila, Śamoa
NNZ		NPV	
NOA NOB	Osceolab Abarendab	NPW	Eureka, Calc
NOC	Orionb	NPX	C. C. Dilling Yill
NOD		NPY	St. George, Pribilof Islds Alaska
NOE		NPZ	•••••
		NQA	
NOF NOG	Paducahb	NQB	
NOH		NQC	
NOI NOJ	Pantherb	NQD	
NOK NOL	Patterson b Patapsco b	NQE NQF	Pompeyb
NOM NON	Patuxentb Pauldingb	NQG	l

		·	
Call signal.	Station.	Call signal.	Station.
NQH		NSF	
NQI NQJ	Isla de Luzon b	NSG	
NOK	Potomac. b Machias. b	NSH	
NQL NQM NQN	Prairie. b Preble. b	NSI	
NÃO NÃP	Prestonb Princetonb	NSJ NSK	Yanktonb
NQQ NQR	Monocacyb Prometheusb	NSL	Gloucesterb
NOS NOT	Palosb Pampangab	NSM	
NQU	- ampunga	NSN	
NQV	Sacramentob	NSO	
NQW NQX	Yorktownb	NSP NSQ	Smith
NQY	Albatrossb	NSR	Strangerb
NQZ NRA	Algonquinb	NSS NST	Solaceb
$\frac{NRB}{NRC}$	Bearb Morrillb	NSU NSV	Vixenb Waspb
NRD NRE	Androscogginb Senecab	NSW NSX	South Carolinab South Dakotab
NRF NRG	Snohomish b Gresham b	NSY	
NRH NRI	McCulloch b Itasca b	NSZ	
NRJ NRK	Ossipeeb	NTA NTB	Ontariob Sterrettb
NRL NRM	Tuscarora. b	NTC NTD	Stewartb Rainbowb
NRN NRO	Mohawkb Manningb	NTE NTF NTG	Raleighb
NRP NRQ	Onondagab Apacheb	NTH	Sonomab
NRR NRS	Miami. b Pamlico b Seminole b	NTI	
NRT NRU	Thetisb Acushnetb	NTJ	
NRV NRW	Tallapoosa b Comanche b	NTK NTL	Supply b Sylph b
$\frac{NRX}{NRY}$	Unalgab Yamacrawb	NTM	
NRZ	New London, Connc	NTN	
NSA		NTO	
NSB		NTP NTQ	Salemb San Franciscob
NSC		NTŘ	Saratogab
NSD NSE		NTS NTT NTU	Scorpion b
HOE	I	NIU	Reidb

Call signal.	Station.	Call signal.	Station.
NTV		NVG	
NTW NTX	Rhode Islandb	√NVH	
NTY NTZ	<u>R</u> oeb	NVI NVJ	
ŃUA NUB	Tacomab	NVK	Vermontb
NUC NUD	Tallahasseeb	NVL NVM NVN	Vesuvius. b Vicksburg. b
NUE	•	NVO	
NUF NUG	Tennesseeb	NVP NVQ	Villalobosb
NUH NUI	Terryb	NVR NVS NVT	Virginia b Farragut b Vulcan b
NUJ		NVU	
NUK		NVV	
NUL		NVW	
NUM NUN	Tonapahb	NVX	
NUO		NVY NVZ	
NUP NUQ	Trippeb	NWA	
NUR NUS	Truxtonb	NWB	
NUT		NWC NWD NWE	Warrington b Washington b
NUU		NWF	
NUV		NWG NWH	West Virginiab Wheelingb
$\mathbf{NUX}$	Sotoyomob	NWI	Whippleb
NUY		NWJ NWK NWL	Wilmington b Walke b
$\mathbf{NUZ}$		NWM	Wisconsinb
NVA		NWN	
NVB		NWO NWP	Wordenb
NVC		NWQ	Wyomingb
NVD NVE	Utahb	NWR	
NVF	Uncasb	II NWS	<b>'</b>

Call signal.	Station.	Call signal.	Station.
NWT		NYE	H-3b
NWU		NYF NYG	K-1b   K-2b
NWV		NYH NYI	K-3b K-4b
NWW		NYJ NYK	K-5b   K-6b
NWX		NYL NYM	K-7b K-8b
NWY		NYN	
NWZ		NYO	
NXA		NYP	
NXB		NYQ	
NXC		NYR	
NXD		NYS	
NXE		NYT	
NXF		NYU	
NXG		NYV	
NXH		NYW	
NXI		NYX	
NXJ		NYY	
NXK		NYZ	,
NXL		NZA	
NXM		NZB	
NXN		NZC	
NXO		NZD	
NXP		NZE	
NXQ		NZF	
NXR NXS	E-1b	NZG	
NXT	E-2	NZH	
NXU NXV NXW	F-2b F-3b	NZI	
NXX NXY	F-4b G-1b	NZJ	
NXZ NYA	G-2 b G-3 b	NZK	
NYB NYC	G-4	NZL	
NYD	H-2b	NZM	

NZQ	Call signal.	Station.	Call signal.	Station.
NZO	MON	-		
NZO	NZN			
NZP	NZO	,		
NZP	1120			Venezuela h
NZQ	NZP		WBH	Colombiab
NZR	NZQ			trainc
NZS	NZR		WBK	Breakwaterb
NZT	NZS		WBM	Redondob
NZU	NZT			
NZU	NZI			
NZV NZW         Washington, D. C.         C         WBR WBS WBS Baltimore, Md.         Baltimore, M	NZU			Hermosa
NZX         El Roscoe.         b         WBS         Baltimore, Md.           NZZ         WBU         WBU         Binghamton, N. Y.           WAA         Alameda.         b         WBW         Burrwood, La.           WAD         Victoria.         b         WBZ           WAF         Admiral Farragut.         b         WBZ           WAF         Admiral Farragut.         b         WCB           WAB         WCB         WCB         Juniata.           WAD         WCB         WCD         South Wellfleet, Mass.           WAD         Defferson.         b         WCB         WCB           WAL         Valdez.         b         WCF         Favorite.         Brooklyn, N. Y.           WAM         WCH         WCB         WCB         Newport, R. I.         WCD           WAA         WCD         WCK         Gettysburg.         Mooremack.           WAD         WCR         WCD         WCB         WCB           WAA         WCD         WCC         WCD         WCB           WAA         WCD         WCD         WCB         WCB         WCB           WAA         WCD         WCD         WCD	NZV		WBQ	
NZZ         WAA         Alameda         b         WBV         Cabrillo         MBV         Cabrillo         MBV         Cabrillo         Burrwood, La         Dover, N. J.         Dover, N. J.         Dover, N. J.         WBV         Burrwood, La         Dover, N. J.         Dover, N. J.         WBV         Burrwood, La         Dover, N. J.         WBY		Washington, D. Cc	WBR	
NZZ         WAA         Alameda         b         WBV         Cabrillo         MBV         Cabrillo         MBV         Cabrillo         Burrwood, La         Dover, N. J.         Dover, N. J.         Dover, N. J.         WBV         Burrwood, La         Dover, N. J.         Dover, N. J.         WBV         Burrwood, La         Dover, N. J.         WBY		El Roscoeb		Baltimore, Mdc
NZZ         WAA         Alameda         b         WBW         Cabrillo         Burrwood, La         Burrwood, La         Dover, N. J         Dover, N. J         WBY         Dover, N. J         WBW         Dover, N. J         WBY         Dover, N. J         WBY         Dover, N. J         WBY         WBY         WBY         Dover, N. J         WBY         Dover, N. J         WBY         WB	NZY	Anchorage, Alaskac		Binghamton, N. Y
WAA         Alameda         b         WBW         Burrwood, La           WAC         Chicago         b         WBX         Dover, N. J           WAD         Victoria         b         WBY         Dover, N. J           WAF         Admiral Farragut         b         WBZ         Tionesta         Juniata           WAB         WAB         WCD         WCD         Octorara         Juniata         South Wellfleet, Mass         Octorara         Octorara         Juniata         South Wellfleet, Mass         Octorara         WCD         WCD<	N77			
WAB WAC Chicago.         b Chicago.         b WBY         Dover, N. J.           WAD Victoria.         b Victoria.         WBY           WAF         Admiral Farragut.         b WCA WCA WCB Juniata.         South Wellfleet, Mass.           WAH         Dora.         b WCD WCB WCD				
WAC         Chicago.         b         WBY           WAF         Victoria.         b         WBZ           WAF         Admiral Farragut.         b         WCA         Tionesta.         Juniata.           WAB         Dora.         b         WCB         WCB         Juniata.         South Wellfleet, Mass.         Octorara.         Juniata.         South Wellfleet, Mass.         Juniata.         South Wellfleet, Mass.         Juniata.         South Welfleet, Mass.         Juniata.         South Welfleet, Mass.         Juniata.         South Welfleet, Mess.         Juniata.         South Welfleet, Mass.         Juniata.         Sou		Admiral Evansb		Dover, N. J
WAF         Admiral Farragut         b         WCA         Tionesta         Juniata           WAG         WCD         WCD         South Wellfleet, Mass.         Octorara           WAI         Latouche         b         WCE         WCE           WAK         Valdez         b         WCF         Favorite         Brooklyn, N. Y.           WAM         WCI         WCH         Brooklyn, N. Y.         Boston, Mass.         Newport, R. I.           WAN         Northwestern         WCI         WCM         Calumet, Mich.         North Land.           WAQ         WAR         Cordova         b         WCQ         WCQ           WAT         WAV         WCN         WCT         The Harvester         Interpretable           WAX         WAY         Admiral Dewey         b         WCV         WCV         The Limit         Nokomis         Nokomis         Interpretable		Chicagob		
WAF         Admiral Farragut         b         WCA WCB WCB WCB WCB WCB WCB WCCD WCCD WCCD	WAD	Victoriab	WBY	
WAG         WCB         Juniata         South Wellfleet, Mass.         Octorara.         Image: Mode of the content of				
WAG	WAF	Admiral Farragutb		
WAH	WAG			South Wollfleet Mass
WAI         Latouche				Octorara b
WAK         Valdez         b         WCF         Favorite         Brooklyn, N. Y.         Brooklyn, N. Y.         Boston, Mass.         WCH			,,,,,	00000
WAL         Santa Ana.         b         WCG         Brooklyn, N. Y.         Boston, Mass.         Newport, R. I.           WAO         WCJ         WCK         WCJ         WCK         Mooremack.         Calumet, Mich.         North Land.         North Land.         North Land.         WCQ         WCP         WCQ         The Harvester.         Image: WCD         WCC         WCC         WCC         The Gore Roosevelt.         Image: WCD         Image: WCD         Image: WCD         WCC         The Limit.         Image: WCD         Image:				
WAM         WCH         Boston, Mass.           WAN         Northwestern.         WCJ           WAO         WCK         WCJ           WAP         WCM         WCM           WAQ         WCN         Mooremack.           Calumet, Mich.         North Land.           North Land.         WCP           WAT         WCQ           WAV         WCR           WAV         MCR           WAX         WCT           WAX         WCT           WAY         Admiral Dewey         b           WAZ         Admiral Schley         b           WBA         Santa Clara         b           WBB         Santa Cecilia         b           WCY         Cape May, N. J				Favoriteb
WAM         Northwestern.         b           WAO         WCJ           WAP         WCK           WAQ         WCM           WAQ         WCM           WAR         Cordova.         b           WAT         WCQ           WAV         WAW           WAW         Admiral Watson.         b           WAX         WCY           WAY         Admiral Dewey.         b           WAZ         WCY           WBA         Santa Clara.         b           WBB         Santa Cecilia.         b           WCY         Nokomis.           WCY         Cape May, N. J.	WAL	Santa Anab		Brooklyn, N. Y
WAN         Northwestern.         b         WCJ         WCK         Gettysburg.         Mooremack.         Calumet, Mich.         Mooremack.         Calumet, Mich.         North Land.         Mooremack.         Calumet, Mich.         Mooremack.         Mooremack.         Calumet, Mich.         Mooremack.         Calumet, Mich.         Mooremack.         Mooremack.         Calumet, Mich.         Mooremack.         Mooremack	WAM	į		Newport R I
WAO			1101	Newport, 10. 1
WCL   WCM   Calumet, Mich   North Land   WCN   WCN   WCN   North Land   WCN	**		WCJ	
WAP         WCM         Calumet, Mich           WAR         Cordova.         b         WCO           WAS         WCP         WCQ           WAT         WCQ         WCR         The Harvester.           WAV         Seward         b         WCS           WAW         Admiral Watson         b         WCS           WAX         WCT         WCU         Conneaut           WAY         Admiral Dewey         b         WCV         The Limit           WAZ         WBA         Santa Clara         b         WCX         Cleveland, Ohio           WBB         Santa Cecilia         b         WCY         Cape May, N. J	WAO			Gettysburgb
WAQ         WCN         North Land            WAR         Cordova         b         WCO           WAS         WCP            WAT         WCQ            WAU         Dolphin         b         WCR           WAV         Seward         b         WCS           WAW         Admiral Watson         b         WCS           WAX         WCT         WCU         Conneaut           WAY         Admiral Dewey         b         WCV         The Limit         I           WAZ         Admiral Schley         b         WCW         Nokomis         I           WBA         Santa Clara         b         WCX         Cleveland, Ohio         I           WBB         Santa Cecilia         b         WCY         Cape May, N. J         I	777 A TO			Mooremackb
WAR         Cordova         b         WCO           WAS         WCP         WCP           WAT         WCQ         WCR         The Harvester           WAV         Seward         b         WCR         The Harvester           WAW         Admiral Watson         b         WCS         WCT         Theodore Roosevelt         I.           WAX         WCY         WCU         Conneaut         I.         The Limit         I.           WAZ         Admiral Dewey         b         WCW         WCW         Nokomis         I.           WBA         Santa Clara         b         WCX         Cleveland, Ohio         I.           WBB         Santa Cecilia         b         WCY         Cape May, N. J         I.				North Landb
WAS         WCP           WAT         WCQ           WAU         Dolphin         b           WAV         Seward         b           WAW         Admiral Watson         b           WAX         WCT         WCU           WAY         Admiral Dewey         b           WAZ         WCV         The Limit           WAZ         WCW         Nokomis           WBA         Santa Clara         b         WCX           WBB         Santa Cecilia         b         WCY         Cape May, N. J.			wco	
WAT          WCQ           WAU         Dolphin         b           WAV         Seward         b           WAW         Admiral Watson         b           WCS         WCT         Theodore Roosevelt           WCT         WCU         Conneaut           WAY         Admiral Dewey         b         WCV           WAZ         Admiral Schley         b         WCW           WBA         Santa Clara         b         WCX         Cleveland, Ohio           WBB         Santa Cecilia         b         WCY         Cape May, N. J	WAS		WCP	
WAU         Dolphin         b         WCR         The Harvester           WAW         Seward         b         WCR         The Harvester           WAW         Admiral Watson         b         WCS         WCT         Theodore Roosevelt         1           WAX         WCY         WCU         Conneaut         1         1         1           WAY         Admiral Dewey         b         WCV         The Limit         1         1           WBA         Santa Clara         b         WCX         Cleveland, Ohio         1           WBB         Santa Cecilia         b         WCY         Cape May, N. J         1				
WAV         Seward         b         WCS           WAW         Admiral Watson         b         WCT         Theodore Roosevelt            WAX         WCU         WCU         Conneaut            WAZ         Admiral Dewey         b         WCV         The Limit            WBA         Santa Clara         b         WCX         Cleveland, Ohio            WBB         Santa Cecilia         b         WCY         Cape May, N. J				
WAW         Admiral Watson.         b         WCS         WCT         Theodore Roosevelt.            WAY         Admiral Dewey         b         WCV         Conneaut.            WAZ         Admiral Schley.         b         WCV         The Limit.            WBA         Santa Clara.         b         WCX         Cleveland, Ohio.            WBB         Santa Cecilia.         b         WCY         Cape May, N. J.		Sewardb	1,010	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
WAX          WCU         Conneaut            WAY         Admiral Dewey         b         WCV         The Limit            WAZ         Admiral Schley         b         WCW         Nokomis            WBA         Santa Clara         b         WCX         Cleveland, Ohio            WBB         Santa Cecilia         b         WCY         Cape May, N. J		Admiral Watsonb		
WAY         Admiral Dewey         b         WCV         The Limit         Inchestion           WAZ         Admiral Schley         b         WCW         Nokomis         Inchestion           WBA         Santa Clara         b         WCX         Cleveland, Ohio         Cape May, N. J				Theodore Rooseveltb
WAZ   Admiral Schley   b   WCW   Nokomis   l WCX   Cleveland, Ohio   WBB   Santa Cecilia   b   WCY   Cape May, N. J   l WCY   Cape May, N. J   Cape May   N.				Conneautb
WBA Santa Clara b WCX Cleveland, Ohio Cape May, N. J.				
WBB   Santa Ceciliab   WCY   Cape May, N. J				
The state of the s				Cape May, N. J.
WBC   Santa Catalinab    WCZ   Illinois	WBC	Santa Catalinab	WCZ	Illinoisb

		·	
Call signal.	Station.	Call signal.	Station.
W/D A	Poro Marquetto h	WEU	,
WDA	Pere Marquetteb		Commont Horkon Ohio
WDB	Pere Marquette 19b	WEV	Conneaut Harbor, Ohioc
$\overline{\mathbf{WDC}}$	Pere Marquette 17b	WEW	Marquette & Bessemer No. 1.b
$\overline{\text{WDD}}$	Pere Marquette 18b	WEX	Marquette & Bessemer No. 2.b
$\mathbf{WDE}$	Pere Marquette 20b	WEY	Alvinab
		WEZ	Ashtabulab
$\mathbf{WDF}$		WFA	Georgiab
		WFB	Alabamab
$\mathbf{WDG}$		$\mathbf{WFC}$	Indianab
$\mathbf{WDH}$	Petoskeyb	WFD	Nevadab
$\mathbf{WDI}$	City of South Havenb	$\mathbf{WFE}$	Carolinab
$\mathbf{W}\mathbf{D}\mathbf{J}$	Lakeportb	1	
$\mathbf{W}\mathbf{D}\mathbf{K}$	Lakewoodb	WFF	
$\mathbf{WDL}$	Lakelandb	WFG	Arizonab
WDM	Duluth, Minnc	WFH	Virginiab
WDN	Ann Arbor No. 3b	WFI	Chicagob
WDO	Ann Arbor No. 4b	WFJ	Christopher Columbusb
WDP	Ann Arbor No. 5b	WFK	Frankfort, Michc
****	11111 121001 110. 0111111111111111111111	****	2 Idaminos of Paris
$\mathbf{W}\mathbf{D}\mathbf{Q}$		WFL	
WDŘ	Detroit, Michc	WFM	Fort Morgan, Alac
WDS	City of Grand Rapidsb	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1 ort morgani, ma
WDT	City of St. Josephb	WFN	
WDU	Puriton h	*****	
WDV	Puritanb   City of Benton Harborb	WFO	
WDW	Hollandb	WFP	
WDW	Holland	WFQ	City of Erieb
WDX	·	WFŘ	City of Buffalob State of Ohiob
WDY	Lydoniab	WFS	See and beeb
WDI	Lydoma	WIS	becaudee
$\mathbf{W}\mathbf{D}\mathbf{Z}$		WFT	1
WEA	City of Cleveland IIIb	,,,,,	
WEB	City of Mackinac IIb	WFU	
WEC	City of Detroit IIb	11.20	
WED	Western Statesb	WFV	<b></b>
WEE	Eastern Statesb	WFW	Manitoub
WEF		WFX	Missourib
	City of Detroit IIIb	WFY	
WEG	City of St. Ignaceb	WIL	Sialiab
WEH	City of Alpena IIb	WFZ	
WET		WGA	City of County
WEI		Wun	City of Seattleb
WEJ	<b></b>	WGB	1
WEK	Minnesotab	WGD	•••••
WER	Minnesota	WGC	
WEL		WGC	
WEL	•••••	THAT	
WEM		WGD	
	Namel Associates	WGE	Spokaneb
WEN	North Americanb	WGF	Galateab
WEO	South Americanb	WGG	Tuckerton, N. Jc
WIND		WGH	Grand Haven, Michc
WEP	•••••	WGI	Ravallib
WEO			•
$\mathbf{WEQ}$	•••••	WGJ	
WER	1	WGK	Curaçãob
W L.R.			_
WES	l	WGL	<b> </b>
11 1713			
WET		WGM	
,, 13 1	1	11 11 01111	1

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Station.	Call signal.	Station.
WGN WGO	Chicago, Illc	WIM WIN	Northern Pacificb Colusab
$\mathbf{WGP}$	Presidentb		
$\mathbf{W}\mathbf{G}\mathbf{Q}$	City of Pueblab	WIO	
WGR	Governorb	t	
WGS WGT	Senatorb Congressb	WIP	
WĞŪ	Umatillab		
₩ĞV	Galveston, Texc	WIQ WIR WIS	Great Northern b
$\mathbf{w}_{\mathbf{G}}\mathbf{w}$		WID	E. R. Sterlingb
$f WGX \ WGY$	Queenb	WIT	
WGZ	Guardianb	WĨŪ	Restorerb
WHA	Cape Hatteras (Buxton), N.C.c	WIV	George E. Paddlefordb
WHB	New York, N. Yc	WIW	J. N. Danzigerb
WHC	Columbiab	WIX	St. Petersburg, Flac
WHD		WIY	
WHE	Philadelphia, Pac	Wiz	Benton Harbor, Michc
******	1 military 1 w	WJA	Gov. Forbesb
WHF		*****	
WHG	W. B. Flintb	WJB	
WHH WHI	St. Francesb New York, N. Yc	MIC	<b></b>
WHJ	Sierrab	1130	
WHK	New Orleans, Lac	WJD .	
WHL	Venturab	*****	
WHM	Sonomab	WJE	
WHN		WJF	1
WHO	Colonb		
WHP	Mariposab	WJG	
WHQ	Mackinac Island, Michc	WJH	
WHR		11311	
WHS	Adeline Smithb	WJI	
WHT	Whittierb	*****	
WHU		Mll	
1		WJK	
WHV WHW	Mackinawb	WJL	
WHX	Humboldtb		
WHY		WJM	;
		WJN	
WHZ WIA	Gold Shellb	WJO	
WIB	Silver Shell b	1 1130	
WIC	Pearl Shellb	WJP	
WID	Charles E. Harwoodb	11770	
WIE WIF	Edward L. Dohenyb Herbert G. Wylieb	WJQ	
WIG	Norman Bridgeb	WJR	
WIH	C. A. Canfieldb		
WII	Belmar, N. Jc	WJS	
WIJ		WJT	
WIK	Providenciab	1	
$\mathbf{w}_{\mathbf{IL}}$	Jim Butlerb	WJU	1

Call	Station.	Call	Station.
signal.		signal.	
WJW WJW WJV	Hoboken, N. J	WLQ WLR WLS	Floridian b
WJA	Jacksonville, Flac		
WJY		WLT	
WJZ		$\mathbf{WLU}$	
WKA WKB	Alaskanb Arizonanb	WLV	
$f WKC \ WKD$	Californian	WLW	
WKE	Kentuckianb		
WKF WKG	American	WLX	
WKH WKI	Honolulan	WLY	
WKJ	Iowanb	WLZ	
WKK WKL	Kansanb Mexicanb	WMA WMB	Multnomahb Mobile, Alac
WKM	Minnesotanb	WMC	Santa Ritab
WKN WKO	Montananb     Oregonianb	WMD	
WKP WKQ	Pennsylvanianb	WME WMF	Milwaukee, Wisc Celilob
WKŘ	Ohioanb Panamanb	WMG	Wapamab
WKS WKT	Columbian b	WMH	
WKU	Hawaiianb	WMI	Minnesotab
WKV WKW	Virginian b Artisan b	WMJ	
WKX	Missourianb	WMK	Hyadesb
$f WKY \ WKZ$	Rockingham b Alamance b	WML WMM	Lurlineb   Hilonianb
WLA		WMN WMO	Enterprise b Wilhelmina b
*		WMP	Matsoniab
f WLB	New London, Connc	WMQ	Manoab
WLD	Ludington, Michc	WMR	
WLE		WMS	
WLF		WMT	
WLG	Richardb	WMU	Anne Wb
WLH		WMV	
WLI	Iaquab	WMW WMX	Manitowoc, Wisc Manistique, Michc
$\mathbf{WLJ}$		WMY	Yucatanb
WLK		WMZ	
WLL		WNA	
WLM		WNB WNC	El Capitan b Carlos b
		WND	Windberb
WLN		WNE WNF	Nushagakb Hattie Luckenbachb
WLO		WNG	
$\mathbf{WLP}$	]	WNH	Lewis Luckenbachb

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Station.	Call signal.	Station.
WNI		woz	
WNJ WNK	Navajob Al-Kib	WPA	
WNL WNM	Diamond Headb Florence Luckenbachb	WPB	
WNN	Corwinb	WPC	Tyeeb
WNO WNP	Pavlofb Pleiadesb	WPD WPE	Tampa, Flab
WNQ		WPF WPG	Goliah
WNR		WPH	S. M. Fischerb
WNS WNT	Kvichakb New York, N. Yc	WPI	
WNU	New Orleans, Lac		
WNV WNW	Portland b San Ramon b	WPJ	
WNX	,	WPK WPL	Seafarerb
WNY	,	WPM WPN	Pioneer
WNZ WOA	Dometek		
	Despatchb	WPO	
WOB		WPP WPQ	Zaporab
WOC		WPR WPS	Ensenada, P. R
WOD		WPT WPU	Davenport, Iowac New Prague, Minnc
WOE		WPV	
WOF	•••••	WPW	
WOG	Time and in	WPX	Oneontab
WOH WOI	Expansion b   Akron, Ohio	WPY WPZ	Wallulab Joseph Pulitzerb
woj	,	WQA	Joseph Pulitzer b Inco No. 1 b
WOK	Detroit, Michc	WQB	
WOL	Los Angelesb	woo	Caminob
WOM WON	La Brea. b	WQD	
woo	14 5104	WQE	
WOP		WQF	
WOQ		WQG	
WOŘ	Californiab	WQH	
WOS WOT	Samsonb Coalingab	WQI	Costa Ricab
WOU WOV	Oregonb	WQJ	
wŏw	Henry J. Biddleb	WQK	
wox		WQL	
WOY	1	WQM	Navassa Isd., W. Ic

Call signal.	Station.	Call signal.	Station.
WQN		WRZ WSA	Ashtabula, Ohioc
$\mathbf{W}\mathbf{QO}$ $\mathbf{W}\mathbf{QP}$	Canton, Ohioc	WSB WSC	Siasconset, Massc
$\mathbf{W}\mathbf{Q}\mathbf{Q}$		WSD	Siasconset, Mass
WQR WQS	Speedwellb	WSE WSF WSG	Seagate, N. Yc Grace Dollarb Norwoodb
WQT		WSH	
WQU WQV	Mt. Vernon, Ohioc	WSI WSJ WSK	Sault Ste. Marie, Michc   John A. Hooperb   Sagaponack, N. Yc
<b>WQW</b>	••••	WSL	Sayville, Long Island, N. Yc
WQX WQY	Yosemiteb	WSM WSN WSO	Centralia b Coronado b
WQZ WRA WRB	Henry T. Scottb Berlinb	WSP	
WRC	J. B. Stetsonb	WSQ WSR	Reuceb
WRD WRE	J. A. Moffettb	WSS WST	St. Nicholasb Miami, Flac
WRF WRG WRH WRI WRJ	Passagrilla, Fla	WSU WSV WSW WSX WSY	Savannah, Gac Willametteb Klamathb Virginia Beach, Vac
WRK		WSZ WTA	Erskine M. Phelpsb
WRL		WTB WTC	Argyll b Lansing b
WRM		WTD WTE	Oleumb
WRN WRO	Isle Royal, Michc Dauntlessb	WTF WTG	Santa Maria b Santa Rita b
WRP	Defianceb Fearlessb Herculesb	WTH	Cataniab
WRQ	Sea Roverb	WTJ WTK WTM WTN	J. A. Chanslor. b W. S. Porter. b Wm, F. Herrin b
wr		WTO	Frank H. Buckb
WRS WRT WRU WRV WRW	Geo. W. Elder	WTP WTQ WTR WTS WTT	Scranton, Pa
WRX WRY	Yaleb	WTV WTW WTX	Captain A. F. Lucasb Maverickb Asuncionb

54257°--16----5

	Call signal.	Station.	Call signal.	Station.
	WTY	S. O. Co. No. 93b	WWD	
`	WTZ	S. O. Co. No. 95b	WWE	Manchuriab
	WUA	Fort Andrews, Mass	WWF	City of Parab
	WUB	Fort Hancock, N. J c Fort H. G. Wright, N. Y c	WWG	City of Sydneyb
	WUC	Fort H G Wright N V	WWH	Newportb
	WUD	Fort Losyonworth Kong	wwi	
	WUE	Fort Leavenworth, Kansc	WWJ	Pennsylvaniab Perub
	WUF	Fort Levett, Me	WWK	Koreab
	WUG	Fort Monroe, Vac Fort Monroe, Vac	WWL	San Jose b
	wou	Fort Monroe, va	WWM	San Juan
	$\mathbf{WUH}$		WWN	
	WUI	Fort Dilay Vana	W W IA	Mongoliab
	WUJ	Fort Riley, Kansc	wwo	
		Fort Start Houston, 1ex	wwo	
	WUK	Fort Stevens, Oreg	TETTE	
	WUL	Fort Totten, N. I	WWP	A_4_
	WUM	Fort Wood, N. I	WWQ	Aztecb
	WUN	Fort Stevens, Oreg	WWR	Rose Cityb
	WUO	Fort winneld Scott, Calc	wws	Alaskab
	WUP	Washington, D. C	33733770	
	WUQ	Washington, D. C	WWT	
	WUR	Fort Morgan, Alac	33733777	
	WUS	Fort Rosecrans, Calc Fort Caswell, N. Cc	WWU	
	WUT	Fort Caswell, N. C	33733737	
	WUU	Fort Adams, R. Ic	wwv	
	WUV	Fort Leavenworth, Kansc	33733737	
	WUW	Fort Terry, N. Yc Fort Crockett, Texc	www	
	$f WUX \\ f WUY$	Fort San Jacinto, Tex	*******	
		Programmilla To-	wwx	
	WUZ WVA	Brownsville, Tex	wwy	
	WVB	Circle City, Alaskac Fairbanks, Alaskac	WWI	
	WVC	Fairbanks, Alaska	wwz	
	WVD	Fort Egbert, Alaskac	WXA	Bufordb
	WVE	Fort Gibbon, Alaskac Fort St. Michael, Alaskac	WXB	Crookb
	WVF	Kotlik, Alaskac	WXC	Dix
	WVG	Nome, Alaskac	WXD	Kilpatrickb
	WVH	Nulato, Alaskac	WXE	Liscumb
	wvi	Petersburg, Alaskac	WXF	Loganb
	wvj	Wrangell, Alaskac	WXG	Meadeb
	** ***	Wiangen, Maska	WXH	McClellan b
	WVK		WXI	Merrittb
	WVL	Fort Frank, P. Ic	WXJ	Sheridan b
	wvй	Fort Hughes, P. Ic	WXK	Sherman b
	WVN	Fort Mills, P. I	WXL	Sumnerb
	wvo	Davao P T	WXM	Thomasb
	WVP	Davao, P. Ic Fort Drum, P. Ic	WXN	Warren
	WVQ.	Fort Wm. McKinley, P. Ic		
	WVŘ	Fort Wint, P. I	wxo	
	wvs	Jolo, P. I		
	WVT	Malabang, P. Ic	WXP	
	ŴŸŪ	Manila, P. I		
	wvv	Manila, P. Ic Puerto Princesa, P. Ic	WXQ	
	WVW	Zamboanga, P. Ic	WXR	Burnsideb
	WVX	Cuvo. P. I		
	WVY	San Jose, P. Ic	WXS	
	WVZ	San Jose, P. Ic Fort Mills, P. Ic	WXT	Joseph Henryb
	WWA	Chinab	WXU	Navesinkb
	WWB	Beaverb		
			WXV	
	WWC	1	l wxw	General John M. Scofieldb

Call signal.	Station.	Call signal.	Station.
wxx		WZC	Fort Whitman, Washc
		WZD	Fort Barrancas, Flac
WXY		WZE	Fort Constitution, N. Hc
		WZF	Fort Moultrie, S. Cc
$\mathbf{W}\mathbf{X}\mathbf{Z}$		WZG	Fort De Russey, Hawaiic
WYA	General Royal T. Frankb		
WYB	General S. N. Millsb	WZH	• • • • • • • • • • • • • • • • • • • •
$\mathbf{WYC}$	Major Samuel Ringgoldb		1
$\mathbf{WYD}$	General Henry J. Huntb	WZI	•••••
$\mathbf{WYE}$	General Henry Knoxb		
$\mathbf{WYF}$	General E. O. C. Ordb	WZJ	
$\mathbf{W}\mathbf{Y}\mathbf{G}$	Colonel Geo. Armisteadb	WZK	Fort Dade, Flac
$\mathbf{WYH}$	General Robert Andersonb	WZL	Steamship Buckroec
WYI	Captain Chas. W. Rowellb	WZM	Steamship Andersonc
$\mathbf{WYJ}$	General A. M. Randolb		
$\mathbf{W}\mathbf{Y}\mathbf{K}$	General Harvey Brownb	WZN	
$\mathbf{WYL}$	General R. B. Ayresb		
$\mathbf{W}\mathbf{Y}\mathbf{M}$	Captain James Fornanceb	WZO	
$\mathbf{WYN}$	Renob		•
WYO	Major Evan Thomasb	WZP	
$\mathbf{WYP}$	Captain Gregory Barrettb	WZQ	General Timothy Pickeringb
$\mathbf{W}\mathbf{Y}\mathbf{Q}$	Major Albert G. Forseb	WZŘ	General Nathanael Greeneb
WYŘ	Lieutenant Geo. M. Harrisb	WZS	Henry Wilsonb
WYS	General G. W. Gettyb	WZT	General George H. Weeksb
WYT	Captain A. M. Wetherillb	WZU	Sprigg Carrollb
WYU	General Robt. Swartoutb	WZV	General J. M. Brannanb
WYV	General S. B. Holabirdb	WZW	General R. N. Batchelder b
WYW	General R. H. Jacksonb		
		WZX	
WYX			
WYY	General Richard Arnold b	WZY	
ŴŶŹ	Captain T. M. Morrisonb		
WZA	Fort Screven, Gac	WZZ	
WZB	Fort Howard, Mdc		
	1 515 225		

## SPECIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[Variable wave lengths authorized for experimental purposes are indicated by an asterisk (\*).]

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours.	Station controlled by—
Agricultural Col- lege, N. Dak.	9YG	300, 500*	P	x	N. Dak. Agr. College.
Aldene, N. J Algona, Wash	2XL 7XU	300, <i>600</i> , 1800 300, <i>600</i> , 4000*	P P	X	Marconi Co. Universal High Power Telph. Co.
Ames, Iowa	9YI <sub>.</sub>	300*	P	X	Iowa State College of Agr. and Mech. Arts.
Athens, Ohio Auburn, Ala	8YP 5YA	300, 425	P P	XX	Ohio Univ. Ala. Polytechnic
Auburn, N. Y	8YA	300, 440, 500, 600	P	(¹)	Inst. Edward L. Colby (Colby's Telgh.
Bakersfield, Cal Battle Creek, Mich	6ZW 8ZC	<b>2</b> 00, 425 <b>2</b> 00, 425	P P	X	School). Lindley Winser. Bert E. Clough.
Beeville, Tex Beloit, Wis Berkeley, Cal		200, 450 900* 200 to 3000*	P P P	X X X	Ed. Nettleton. Beloit College. Univ. of California.
Berkeley, Cal Beverly Farms,	6XR 1ZH	300, 600* 200, 300, 425, 600		XX	Frank Rieber. Wilbur H. Hardy.
Mass. Bozeman, Mont Buffalo, N. Y Burlington, Iowa	7ZD 8ZB 9XL	200, 425 200, 300, 425, 600 500*	P P P	X X X	R. Earl Dawes. Nelson E. Holt. William W. Peters (Burlington High
Cambridge, Mass Cambridge, Mass Cambridge, Mass	1XO 1XP 1XU	300, 600* 300, 550, 600 600*	P P P	X X X	School). General Radio Co. George W. Pierce. Cutting & Washing- ton (Inc.).
Cambridge, Mass Canal Dover, Ohio Charleston, S. C	1YH 8ZX 4YC	300, 550, 600* 200, 450 300, 600	P P P	X X X	Harvard Univ. Harry S. Weber. The Citadel, S. C. Mil. Acad.
Chelsea, Mass Cincinnati, Ohio Cincinnati, Ohio	1XC 8ZF 8ZH	300, 600*	P P P	X X X	Wm. J. Murdock Co. Henry M. Rubel, jr. Clayton M. Howe (Hughes High
Cleveland, Tenn Columbia, Mo	5ZH 9YS	425 300, <i>3</i> 75	P P	X X	School). W. O. Horner. Univ. of Missouri (School of Engi-
Columbia, Mo Columbus, Ohio.: Dallas, Tex Davenport, Iowa	8YO 5ZC	425, 800	P P	X X X X	neering). Univ. of Missouri. Ohio State Univ. Frank M. Corlett. William H. Kirwan.

 $<sup>^1\,9</sup>$  a. m. to 9.30 a. m.; 2 p. m. to 2.30 p. m.; and on Mondays, Wednesdays, and Fridays, 7 p. m. to 7.30 p. m.

Special Land Radio Stations, Alphabetically by Names of Stations—Continued.

[Variable wave lengths authorized for experimental purposes are indicated by an asterisk (\*).]

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours.	Station controlled by—
Denver, Colo	9ZA	450, 500, 750	P	x	Capt. E. A. Smith (Co. A, Signal Corps, Colo. N. G.).
Denver, Colo Denver, Colo	9ZD 9ZF	200, 425	P P	X	Edward C. Stockman. Capt. E. A. Smith. (Co. A. Signal Corps, Colo. N. G.).
Eldora, Iowa	9ZI	200, 425	P P P P	X	Donald R. Lewis.
Elmira, N. Y	8ZE	200, 425	F.	X	Harry E. Fitch.
Fall River, Mass Fargo, N. Dak	1ZF	200, 300, 425, 600	P	X X X X	Harold C. Bowen.
Farmington, Conn	$rac{9  ext{YF}}{1  ext{ZZ}}$	300, 600	P	Ŷ	Theo. L. Wanner. David Lyon Moore.
Fayetteville, Ark	5YM	200, 400	P	Ŷ	Univ. of Arkansas.
Friendship Heights, Md.	3ZF	200, 250	P	X X	John V. Purssell.
Fruitvale, Cal	6XN	300, 600*	P	X	National Wireless Telph. & Telgh. Co.
Gloucester, Mass	1XI	300, 600*	P	X	John Hays Ham- mond, jr.
Grand Coteau, La	5ZQ	450	P	X	St. Charles College.
Grand Forks, N. Dak.	9XN	1,500*	P		Univ. of North Da- kota.
Hamilton, Ohio		200, 300, 425	P	X	Doron Bros. Electric
Hartford, Conn	1ZM	200, 300, 425, 600	P P	(†)	Hiram Percy Maxim.
Hartford, Conn	1ZT 7ZA	200, 300, 425, 600	P	₩.	Clarence D. Tuska.
Hoquiam, Wash Hyattsville, Md		200, 300, 425, 600 300, 400, 600	P P	₩ 🕏	Donald E. McGee. J. Harris Rogers.
Indianapolis, Ind		200, 450	P	(¹) X X X	James E. Weyant (Shortridge High School).
Iowa City, Iowa	9YA	500, variable un- der 600 and over 1600.	P	X	State Univ. of Iowa.
Ironton, Ohio	8ZG	200, 425	P	$\mathbf{x}$	Henry W. Campbell.
Ithaca, N. Y	8XT	(*)	Ρ	X X X	Cornell Univ.
Jacksonville, Ill	9YH	(*) * to 425	P		Illinois Woman's Col- lege.
Kansas City, Mo	9XH	(*)	P P	X	Harry D. Betz.
Kansas City, Mo Kansas City, Mo	9XK 9YU	200, 300	P P	X X X	Robert R. Moore. Field Co. A, Signal Corps, Mo. N. G. George W. Almour.
Key West, Fla	4XA	200, 600	P	X.	George W Almour
Lacey, Wash	7YS	300, 450, 600	P	X X X	St. Martin's College.
La Grande, Oreg	7ZH	200, 300, 425	P	$\overline{\mathbf{x}}$	Orland M. Heacock.
Lake Geneva, Wis	9YW	300, 425	P		Northwestern Mil. and Naval Acad.
Lake Geneva, Wis		300, 425	P	X	Northwestern Mil. and Naval Acad.
Lamoni, Iowa	9YO	200, 350, 425	P	X	Graceland College.
Lawrence, Kans	9XP	400, 550, 800*	P P	X	Univ. of Kansas.
Lewiston, Mont Lexington, Ky	7ZC 9YL	200, 425 500, 1800	P	X X X	Arthur C. Campbell. Otto Holstein (Co. A, Signal Corps, Ky.
Lexington, Mass Lima, Ohio	1ZD 8YL	200, 300, 425, 600 200, 425	P P	X X	N. G.). Samuel W. Dean. J. E. Collins.

<sup>&</sup>lt;sup>1</sup>7 p. m. to 10.36 p. m.

SPECIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

[Variable wave lengths authorized for experimental purposes are indicated by an asterisk (\*).]

	,			1	
Station.	Call signal.	Wave lengths.	Serv- ice.	Hours.	Station controlled by—
Little Rock, Ark Little Rock, Ark Los Angeles, Cal Los Angeles, Cal Louisville, Ill	5XO 6XL 6YL	(*) 625*	P P P	X X X X	Arthur R. McCreary. Ed Cornish. Y. M. C. A. High School. Cecil Bridges.
Louisville, Ill Madison, Wis Marion, Ohio Marlboro, Mass Media, Pa	9XM 8ZD 1XS 3XO	2000, 2200	P P P P	X X X X	Univ. of Wisconsin. Keith Henney. Louis W. Stevens. Simon Delbert, jr.
Memphis, Tenn	5XC	425, variable to 600	P	X	Christian Bros. College.
Memphis, Tenn Minneapolis, Minn Minneapolis, Minn Mobile, Ala Montauk, Long Island, N. Y.	5ZD 9ZE 9ZM 5ZM 2XE	296. (*)	P P P P	X X X X	C. B. De La Hunt. Philip E. Edelman. Marc Frazer. Ben W. Martin. Western Electric Co.
Montclair, N. J	2ZI	200, 325	P	X	Alfred P. Morgan (Adams-Morgan Co.).
Monterey, Cal Montgomery, Ala	6XE 5ZI	300, 600* 500, 1650, 1800	P	X X	National Radio Co. Wm. H. Amerine (1st Field Co., Signal Corps, Ala. N. G.).
Morgantown, W. Va.	8XG	650	P	X	C. W. Waggoner (W. Va. Univ.).
New Bedford, Mass New Braunfels, Tex.	1ZN 5ZB	200, 300, 425, 600 200, 450	P P	(2) X	Milton A. Baylies. Arthur E. Mollenhauer.
New Castle, Pa New Orleans, La New Rochelle, N. Y. New York, N. Y	8ZN 5XM 2ZK 2XG	200, 425	P P P	X X X X	R. L. Patch. Marconi Co. George C. Cannon. Radio Telph. & Telgh. Co.
New York, N. Y New York, N. Y	2XH 2XM	300, 540, 600, 800 300, 600, 1800	P P	X	Walter G. Hudson. John H. Morecroft (Columbia Univ.).
New York, N. Y	2XN	300, 600	P	X	Alfred N. Goldsmith (College of the City of N. Y.).
New York, N. Y New York, N. Y	2XR 2XU	(*) 300, 600, 2000, 40000.*	P P	XX	Marconi Co. Peter Cooper Hewitt.
New York, N. Y	2YM	300, 400, 600, 2400.	P	X	Y. M. C. A. Telgh. School.
New York, N. Y	2ZA	300, 450, 600	P	X	New York Police Dept.
Northampton, Mass.	1ZL	200, 300, 425, 600	l	X	Dean A. Lewis and Glen C. Sabin.
Nutley, N. J Oil City, Pa	8YW	300, 450, 600 200, 450	P	X	Arthur A. Hebert. Clarence M. Wickes (Electra Club).
Omaha, Nebr		800		X	Union Pacific R. R. Co.
Orono, Me Oakland, Cal Oakland, Cal	$\begin{bmatrix} 1XK \\ 6XC \\ 6XT \end{bmatrix}$	280, 590, 800   300, 550, 600*   300, 600, 800*	P P P	X X X	Univ. of Maine. Lewis M. Clement. Howard H. Tremble.

<sup>111.55</sup> a. m. to 1 p. m.; 6.30 p. m. to 11 p. m. 2 Continuous during day and from 6 p. m. to 9 p. m.

Special Land Radio Stations, Alphabetically by Names of Stations—Continued.

[Variable wave lengths authorized for experimental purposes are indicated by an asterisk (\*).]

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours.	Station controlled by—
Oxford, Ohio	6ZB 3XJ 3XC 3XP 9ZP	200, 425 300, 500, 600 300, 500, 600 300, 480, 600* 300, 400, 600 200, 425 1800, 2100, 3000	PPPPPPP	X X X X X X	Miami Univ. Howard S. Bunting. St. Joseph's College. Frank B. Chambers. Simon Delbert, jr. Dana McNeil. Carnegie Inst. of Tech-
Pittsburgh, Pa Pittsburgh, Pa Pittsburgh, Pa	8YI	450, 2000*	P P P	X X X	nology. Frank Conrad. Univ. of Pittsburgh. Charles C. Dunning (Peabody High
Pittsfield, Mass Port Chester, N. Y Pottsville, Pa	8ZR	1600, <i>\$000</i> , 6000 200, 300, 425, <i>600</i>	P P P	XXX	School). General Electric Co. John W. Hubbard. Cotesworth M. Jackson.
Providence, R. I Pullman, Wash	1ZP 7YI	200, 300, 425, 600 500, 1750	P P	X X	Ralph C. Watrous. State College of Wash- ington.
Rapid City, S. Dak.	9XA	(*)	P	<b>X</b>	Claude C. Van Nuys (S. Dak. School of Mines).
Rapid City, S. Dak. Richmond, Va	9ZR 3ZK	200, 425 500*	P P	X X	S. R. Halley. Frank S. Splatt (Signal Corp., Va. N.G.).
Richmond Hill, N.Y Ridgway, Pa	2ZV 8XO	300, 3500 300, 425	P P	X	W.P.Osterhout(Pitts- burgh Wireless
Riverdale, Md Rockford, Ill	9YB	200	P P	X X	Equipment Co.). Frank A. DeGroot. Rockford School of Engineering.
Rock Island, Ill	9XR	300, 500*	P	X	Robert K. Karlowa (Tri-City Radio Lab.).
Rockland, Me Salt Lake City, Utah Salt Lake City, Utah San Antonio, Tex San Antonio, Tex San Diego, Cal	1ZR 6ZI 6ZV 5ZF 5ZR 6YS	200, 300, 425, 600 200, 425 200, 300, 425 300, 450, 600 200, 300, 450 300, 500, 600	PPPPP	X X (1) (1) X	Edward L. Norton. Stephen H. Besley. Julian G. McCollom. Sidney Friedrich. John C. Rodriguez. Southern Electrical Co.
San Francisco, Cal San Francisco, Cal San Francisco, Cal San Francisco, Cal	6XA 6XH 6XI 6XO	300, 600*	P P P	X X X X	Howard G.Aylsworth. Wm. W. Hanscom. Clarence W. Smith. Nat. Wireless Telph.
San Jose, Cal Savannah, Ga	6XF 4XL	300, 600* 300, 460, 560, 600	P P	X X	& Telgh. Co. Charles D. Herrold. Claude A. Lewis and Manning White.
Schenectady, N. Y Schenectady, N. Y Schenectady, N. Y	2XA 2XI 2YU	500, 800* 1600 to 10000* 300, 2000	P P P	X X X	E. M. Kinney. General Electric Co. Walter L. Upson (Union College).
Schenectady, N. Y Seattle, Wash	2ZB 7XE	200, 300, 400, 500 300, 600*	P P	X	Wallace L. Brooks. Marconi Co.

<sup>&</sup>lt;sup>1</sup> 8 p. m. to 11.30 p. m.

#### SPECIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

[Variable wave lengths authorized for experimental purposes are indicated by an asterisk (\*).]

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours.	Station controlled by—
Seattle, Wash	7XK	300, 600, 1000, 1400, 2000, 4000.*	P	x	Kilbourne & Clark Mfg. Co.
Seattle, Wash	7XM	300, 600, 1400*	P	X	Wireless Instrument Co.
Seattle, Wash	7XZ	600, 680*	P	X X	Univ. of Washington. Willis E. Antony.
Shreveport, La	5ZS	200, 425	P P	X	Willis E. Antony.
Slingerlands, N. Y	2XD	300, 400, <i>550</i> , 600, 1000.			C. F. and B. V. Dietz.
Springfield, Ill	9ZS	600, 1800	P	X X X	Illinois Watch Co.
Springfield, Mass	1ZS	200, 300, 425, 600	P	X	Geerge U. Readio.
Springfield, Ohio	8ZM.	200, 300, 450	P	X	Ross McGregor.
Stillwater, Minn	9YM	200, 300, 425	P	X	Co. K, 3d Infantry, Minn. N. G.
St. David's, Pa	3ZS	425, 500	P	$\mathbf{x}$	Charles H. Stewart.
St. Louis, Mo	9XC	700, 825	P	X	Christian Bros. Col-
04 T W-	03737	050 1000 iron	n	v	lege.
St. Louis, Mo	9.X.V	850, 1200, 1500, 2000.	P	X	Washington Univ.
St. Louis, Mo	9XY	300, 600, <i>750</i> , 1000,	P	X	St. Louis Univ.
State College, Pa	8XE	(*)	P	(¹) X	Pa. State College.
State College, Pa Summit, N. J	2XW	(*) 300, 450, 600, 700, 1000.	P	X	Frank N. Waterman.
Takoma Park, Md	3XB	500, 2000	P	x	Bliss Electrical School.
Tiffin, Ohio	8ZT	200, 425	P	(1)	John J. Grossman.
Trinidad, Colo	9ZB	450, 500, 750	P	X X	E. A. Smith (Co. A, Signal Corps, Colo. N. G.).
University Place, Nebr.	9YD	300, 468	P	x	Nebraska Wesleyan Univ.
Upper Montclair, N. J.	2ZE	200, 325	P	X	Paul F. Godley.
Valparaiso, Ind	9XD	300, 600*	P	X	Dodge's Institute of Telgh.
Vancouver, Wash	7ZN	200, 300, 425, 600	$\mathbf{P}$	$\mathbf{x}$	George H. Wallace.
Waco, Tex	5YG	200, 300, 600, 1625.	P	X	E. T. Genheimer (Waco High School
			_		Radio Club).
Washington, D. C	3YM	200, 300, 400	P	X	McKinley Manual
Washington, D. C	3YN	200, 400, 1800	P	X	Training School.  James E. Smith (National Radio
		-			School).
Washington, D. C Washington, D. C	3ZH		P P	X	H. B. De Groot.
Washington, D. C	3ZW	200, 425	P	X	Walther A. Parks.
Watchaug Pond, R.I.	1XW	200, 300, 425, 600	P P	X	Ralph C. Watrous.
Wayne, Nebr		300, 425	P	X X	U. S. Conn, president, State Normal School.
Westbrook. Me	1ZQ	200, 300, 425, 600	P	x	Wm. H. Rocheleau.
Wheeling, W. Va	8ZW	200, 450	P P P	$\mathbf{X}$	John C. Stroebel, jr.
Westbrook, Me Wheeling, W. Va Wichita, Kans	9YE	1700	P	$\mathbf{X}$	Walter S. Ezell.
Wilkes-Barre, Pa	8ZS	200, 425	P	X X X X	John H. Stenger, jr.
Worcester, Mass	1YK	(*)	P	X	Worcester Polytech-
Worcester, Mass	1ZW	200, 425	P	$\mathbf{x}$	nic Inst. Wm. H. Allison.

<sup>&</sup>lt;sup>1</sup> 7 p. m. to 10.39 p. m.

# SPECIAL LAND RADIO STATIONS, GROUPED BY DISTRICTS.

Calleignal	District and station.	Callsignal.	District and station.
-	First district:		Third district—Continued.
1XC	Chelsea, Mass.	3XO	Media, Pa.
1XG	Pittsfield, Mass.	3XP	Philadelphia, Pa.
1XI	Gloucester, Mass.	3XR	Hyattsville, Md.
IXK	Orono, Me.	3YM	Washington, D. C.
IXO	Cambridge, Mass.	3YN	Washington, D. C.
1XP	Cambridge, Mass.	3ZD	Riverdale, Md.
1X8	Marlboro, Mass.	3ZF	Friendship Heights, Md.
1XU	Cambridge, Mass.	3ZH	Washington, D. C.
2XW	Watchaug Pond, R. I.	3ZK	Washington, D. C. Richmond, Va.
1YH	Cambridge, Mass.	3ZS	St. Davids, Pa.
1YK	Worcester, Mass.	3ZW	Washington, D. C.
1ZD	Lexington, Mass.		Fourth district:
1ZF	Fall River, Mass.	4XA	Key West, Fla.
1ZH	Beverly Farms, Mass.	4YZ	Charleston, S. C.
1ZL	Northampton, Mass.		Fifth district:
1ZM	Hartford, Conn.	5XC	Memphis, Tenn.
1ZN	New Bedford, Mass.	5XF	Little Rock, Ark.
1ZP	Providence, R. I.	5XN	New Orleans, La.
1ZQ	Providence, R. I. Westbrook, Me.	5XO	Little Rock, Ark.
1ZR	Rockland, Me.	5YA	Auburn, Ala.
1 <b>Z</b> 8	Springfield, Mass.	5YG	Waco, Tex.
1ZT	Hartford, Conn.	5YM	Fayetteville, Ark.
1ZW	Worcester, Mass.	5ZB	New Braunfels, Tex.
1ZZ	Farmington, Conn.	5ZC	Dallas, Tex.
037.4	Second district:	5ZD	Memphis, Tenn.
2XA	Schenectady, N. Y.	5ZF	San Antonio, Tex.
2XD 2XE	Slingerlands, N. Y.	5ZH	Cleveland, Tenn.
	Montauk, Long Island, N.Y.	5ZI	Montgomery, Ala.
2XH	New York, N. Y.	5ZM	Mobile, Ala.
	New York, N. Y. Schenectady, N. Y.	5ZN 5ZQ	Beeville, Tex.
	Alden N T	5ZR	Grand Coteau, La. San Antonio, Tex.
2XM	Now York N V	5ZS	San Anomo, 1ex.
2XN	Alden, N. J. New York, N. Y. New York, N. Y.	UZB	Shreveport, La. Sixth district:
2XR	New York N Y	6XA	San Francisco, Cal.
$\overline{2}\overline{X}\overline{U}$	New York, N. Y. New York, N. Y.	6XB	Berkeley, Cal.
2XW	Summit, N. J.	6XC	Oakland, Cal.
2YM	New York, N. Y.	6XE	Monterey, Cal.
2Y8	New York, N. Y.	6XF	San Jose, Cal.
2YU	Schenectady, N. Y.	6XH	San Francisco, Cal.
2ZA	Schenectady, N. Y. New York, N. Y.	6XI	San Francisco, Cal.
2ZB	Schenectady, N. Y.	6XL	Los Angeles, Cal.
2ZE	Upper Montclair, N. J.	6XN	Fruitvale, Cal.
2ZH	Nutley, N. J.	6XO	San Francisco, Cal.
2ZI	Montclair, N. J.	6XR	Berkeley, Cal.
2ZK	New Rochelle, N. Y.	6XP	Oakland, Cal.
2ZP	Port Chester, N. Y.	6YL	Los Angeles, Cal.
2ZV	Richmond Hill, N. Y.	6YS	San Diego, Cal.
OVD	Third district:	6ZB	Pacific Grove, Cal.
3XB	Takoma Park, Md.	6ZI	Salt Lake City, Utah.
3XC 3XJ	Philadelphia, Pa.	6ZV	Salt Lake City, Utah.
OAJ	Philadelphia, Pa.	6ZW	Bakersfield, Cal.

SPECIAL LAND RADIO STATIONS, GROUPED BY DISTRICTS-Continued.

Call signal.	District and station.	Call signal.	District and station.
	Seventh district:		Ninth district:
7XE	Seattle, Wash.	9XA	Rapid City, S. Dak.
7XK	Seattle, Wash.	9XB	Beloit, Wis.
7XM	Seattle, Wash.	9XC	St. Louis, Mo.
7XU			
	Algona, Wash.		Valparaiso, Ind.
7XZ	Seattle, Wash.	9XE	Davenport, Iowa.
7YI	Pullman, Wash.	9XH	Kansas City, Mo.
7YS	Lacey, Wash.	9XK	Kansas City, Mo.
7ZA	Hoquiam, Wash.	9XL	Burlington, Iowa.
7ZC	Lewistown, Mont.	9XM	Madison, Wis.
7ZD	Bozeman, Mont.	9XN	Grand Forks, N. Dak.
7ZH	La Grande, Oreg.	9XP	Lawrence, Kans.
7ZN	Vancouver, Wash.	9XQ	Columbia, Mo.
	Eighth district:	9XŘ	Rock Island, Ill.
8XA	Ann Arbor, Mich.	9XU	Omaha, Nebr.
8XC	Pittsburgh, Pa.	9XV	St. Louis, Mo.
8XE	State College, Pa.	9XY	St. Louis, Mo.
8XG		9YA	
	Morgantown, W. Va.		Iowa City, Iowa.
8XK	Pittsburgh, Pa	9YB	Rockford, Ill.
8XO	Ridgeway, Pa.	9YD	University Place, Nebr
8XT	Ithaca, N. Y.	9YE	Wichita, Kans.
8XU	Ithaca, N. Y.	9YF	Fargo, N. Dak.
8YA	Auburn, N. Y.	9YG	Agricultural College,
8YC	Ithaca, N. Y.		N. Dak.
8YI	Pittsburgh, Pa.	9YH	Jacksonville, Ill.
8YL	Lima, Ohio.	9YI	Ames, Iowa.
8YO	Columbus, Ohio.	9YK	Indianapolis, Ind.
8ŸP	Athens, Ohio.	9YL	Lexington, Ky.
8YR	Oxford, Ohio.	9YM	Stillwater, Minn.
8YW	Oil City, Pa.	9YO	Lamoni, Iowa.
8YZ	Dittaburah Da	978	Columbia, Mo.
8ZB	Pittsburgh, Pa. Buffalo, N. Y.	9YT	
8ZC		9YU	Wayne, Nebr.
	Battle Creek, Mich.		Kansas City, Mo.
8ZD	Marion, Ohio.	9YW	Lake Geneva, Wis.
8ZE	Elmira, N. Y.	9YX	Lake Geneva, Wis.
8ZF	Cincinnati, Ohio.	9ZA	Denver, Colo.
8ZT	Ironton, Ohio.	9ZB	Trinidad, Colo.
8ZH	Cincinnati, Ohio.	9ZD	Denver, Colo.
8ZM	Springfield, Ohio.	9ZE	Minneapolis, Minn.
8ZN	New Castle, Pa.	9ZF	Denver, Colo.
8ZR	Pottsville, Pa.	9ZI	Eldora, Iowa.
8ZS	Wilkes-Barre, Pa.	$9\overline{Z}$ L	Louisville, Ill.
8ZT	Tiffin, Ohio.	9ZM	Minneapolis, Minn.
8ZU	Hamilton, Ohio.	9ZP	Pierre, S. Dak.
8ZW	Wheeling, W. Va.	9ZR	
			Rapid City, S. Dak.
8ZX	Canal Dover, Ohio.	9ZS	Springfield, Ill.

#### AMATEUR RADIO STATIONS.

Note —All amateur stations in this list, the power of which is rated up to 500 watts, are listed as  $0.5~{\rm KW}$ , and all stations, the power of which is rated from 500 to  $1,000~{\rm watts}$ , inclusive, are listed as  $1.0~{\rm KW}$ .

#### FIRST DISTRICT.

[Headquarters: Customhouse, Boston, Mass. The first district comprises the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.]

#### ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
1EAI	Abels, Charles A	43 Nicollet St., Lowell, Mass	0.
1US	Achin, Horace, ir	30 Smith St., N. Attleboro, Mass.	
1FT	Ackley, Edward P	30 Smith St., N. Attleboro, Mass Peaks Island, Maine	
IANH	Aldrich, George E	9 Simonds Rd., Melrose, Mass	
1SI	Alger, James W	Reading, Mass	
IUL	Allen, Edwin B	Westerly, R. I	
1KG	Allen, Franklin	Westerly, R. I. 125 Sycamore St., New Bedford, Mass.	
1JQ	Allen, George H	16 Bacon St., Waltham, Mass	
1GM	Allen, J. Wyman	236 Hale St., Beverly, Mass	
1AAT	Allen, Laurence H	60 Dean St., Attleboro, Mass	
1PQ	Allen, Percival R	147 Hancock St., Auburndale, Mass	
1TF	Allenson, George T	12 Railroad Ave., Valley Falls, R. I	
1EV	Almquist, Fritz A	333 Franklin St., Quincy, Mass	
	American Radio Association.		
	See Fowle, Herbert L.	20 T - 1- Ot T 15	
1KR	Anderson, Andrew R	29 Lewis St., Lynn, Mass	
IHN	Anderson, Daniel H	40 Oliver St., Everett, Mass	
IDK	Anderson, Herlbert Anderson, James H	17 Bartlett Rd., Belmont, Mass.	
IEID	Andonegui, Lane	27 Linnaen St., Cambridge, Mass.	
1NA 1ME	Angell, Otis P.	20 Trowbridge St., Cambridge, Mass	
10A	Anthony, Richard L	336 College St., Lewiston, Me.	
iKQ	Armstrong, James B	15 Bradford Rd., Newton Highlands, Mass.	
IES	Armstrong, Leroy W	135 Point St., Providence, R. I.	
IESV	Ashland, Homer B	76 N. Union St., Burlington, Vt	
1JL	Ayres, Richard T	10 Common St., Charlestown, Mass	
IANB	Bacuinka, Peter L	137 Dorchester St., Worcester, Mass	
1ANJ	Bailey, Charles E.	51 Chestnut St., New Britain, Conn	
IWW	Bailey, Philip A	64 Washington St., Middletown, Conn	1
IWW IANX	Bailey, Willard L	52 Robbins Rd., Arlington, Mass	
1RJ	Bailey, William M	38 Menlo Ave., Lynn, Mass	
1FC	Baker, C. Hall	Torrington Point, Peaks Island, Me	
1EMI	Baker, J. Stannard	40 Sunset Ave., Amherst, Mass	
IAAE	Baker, Warren F	2 Baker Pl., Dorchester, Mass	
1DN	Balcom, Loris L	Noroton Heights, Conn	
1WE	Baldwin, James P	66 Forest St., New Britain, Conn	1
1LG	Ballon, Willis H	82 Winthrop St., Medford, Mass	
1EA	Barker, Gulian D	19 Channing St., Newport, R. I.	
1ENU	Barney, George C	R. F. D. No. 7, Bangor, Me	
1LF	Barrett, Bradford L	47 Forest St., Springfield, Mass	,
1WJ	Barrett, John H	64 Lafayette Pl., Greenwich, Conn	1
1ENF	Barth, Norbert E	546 W. Main St., New Britain, Conn	
IJK	Batchelder, Hugh M Bates, Roger E	104 Dine Ct Welleston Mess	
1AAZ 1EMA	Bauer, Paul S.	184 Pine St., Wollaston, Mass	1
1GU	Baumann, Howard	24 Hale Ave., South Medford, Mass	1
1IY	Baxter, Horace M	160 Foster St., Brighton, Mass.	
icz	Bean, Harold W	82 S Main St Penacook N H	1
ISL	Bearse, Edwin W	82 S. Main St., Penacook, N. H. 43 Cutter St., Somerville, Mass.	
1ABA	Roattie Robert	21 County Rd., Everett, Mass	
IAED	Beebe, William J	42 Ridgewood Pl., Springfield, Mass	
iVZ	Becker, Carl W	56 Brookside Ave., Boston, Mass	
1IW	Beckvold, Melvin P	87 Callender St., Dorchester, Mass	
10J	Beecher, George E	416 Allen St. Springfield Mass	
1KW	Beering, Herbert A	61 South St., Jamaica Plain, Mass.	
1VL	Belknap, Edward L	91 Vine St., Hartford, Conn	
1HY	Bennett, Lawrence S	2 Lawrence St., Everett, Mass	
1LQ	Bennett, William F., jr		

#### FIRST DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
1ABK 1ENQ	Bent, Arthur E	84 Commonwealth Ave., Boston, Mass	
1HO	Berger, Sherwood Bergmann, Malcolm P	50 Jagues St Somerville Mass	0.5
EAH	Berry, Gerald D	28 N. Central Ave., Wollaston, Mass.	. 5
IFI	Bernier, Walter J	7 River St., Sanford, Me	.5
UG	Bigelow, Fred C	123 Chapel St., Saylesville, R. I	.5
IJN	Billotte, Louis C	10 Centennial Ave., Revere, Mass	. 5
IIQ 1EF	Bishop, Donald S	65 Hillside Ave. Arlington Heights Mass	. 5
IATJ	Black, Oliver M	19 Charles St., Lawrence, Mass.	. 5
1QK 1KE	Berry, Gerald D. Bernier, Walter J. Bigelow, Fred C. Billotte, Louis C. Bilshop, Donald S. Bixby, Harold O. Black, Oliver M. Black, William R. Blackie, Norman E. Blake, Sidney S. Blake, William F.	84 Commonwealth Ave., Boston, Mass Naugatuck, Conn	.5 .5 .5 .5 .5
IKE	Blackie, Norman E	110 Norfolk St., Dorchester, Mass	. 5
IKJ IEAK	Blake William F	25 Elm St., Wésterly, R. I. 104 Rutherford Ave., Charlestown, Mass.	. 5
1EO	Blanchard, Chester T	25 Ashmont St., Dorchester Center, Mass.	. 5
IEO INB	Blake, William F. Blanchard, Chester T. Blanchard, Ralph N. Blanchard, Raymond C. Blank, Donald C. Blank, Donald C.	25 Ashmont St., Dorchester Center, Mass. 12 Harvard St., Whitman, Mass. 14 Leonard St., North Attleboro, Mass.	.5
1HA	Blanchard, Raymond C	14 Leonard St., North Attleboro, Mass	1.0
1WV $1ABS$	Bliss, Donald H	12 Deep St Attlebore Mace	1.0
1EMC	Bloom, Harry	682 2d St., Fall River, Mass	. 5
EH	Bloom, Harry Bloom, Philip H Blume, Carl T	9 Adams St., Holyoke, Mass	.5
1LB	Blume, Carl T	8 Upham St., Revere, Mass.	. 5
IVH IMB	Bollerer, Alexander V	77 Linwood St., New Britain, Conn	.5
1ON	Bollerer, Alexander V Boudette, Clayton M Bowditch, Frederic C., jr	14 Leonard St., North Attleboro, Mass Greenwich, Conn. 12 Dean St., Attleboro, Mass 682 2d St., Fall River, Mass. 9 Adams St., Holyoke, Mass. 8 Upham St., Revere, Mass. 77 Linwood St., New Britain, Conn. 194 Elm St., Everett, Mass. 164 Rawson Road, Brookline, Mass. 168 Relmont Ave, Fall River, Mass.	.5 .5 .5 .5 .5
IQN IKO	I Bowen, Harold C	168 Belmont Ave., Fall River, Mass	.5
1EAP	Bowers, Maurice A	13 Belmont Ave., Camden, Me	.5
IEAU IKS	Bowers, Maurice A. Bowers, William K. Boy Scouts of America,	168 Belmont Ave., Fall River, Mass. 13 Belmont Ave., Camden, Me. 6 Samoset St., Dorchester, Mass. Reading, Mass. (portable station).	.5
1SX	Troop 1. Boy Scouts of America,	Cambridge, Mass.	.5
RB	Troop 2. Brackett, Walter F Bradbury, Lawson E		
IGJ	Bradbury, Lawson E	24 Maple St., Stoneham, Mass. 138 Endicott Ave., Revere, Mass.	.5
$_{ m IWZ}$	I Bradin, Jack H	30 Highland St., Harriord Conn	10
IESP	Bradshaw, Norwood V Bradshaw, Wesley B	56 Elm St., Putnam, Conn. 16 Centre St., New London, Conn.	.5
1AEJ 1EAJ	Braceill James I		
IESM	Brassill, James J	Bedford St., Stamford, Conn 94 Walnut Pl., Brookline, Mass. 91 Marion St., Brookline, Mass. 46 Church St., Hudson, Mass.	.5
IUR	Briggs, Stuart M. Briggs, Stuart M. Brigham, Everett R.	94 Walnut Pl., Brookline, Mass.	.5
IIS ILR	Briggs, Stuart M	91 Marion St., Brookline, Mass	.5
ABJ	Brockington, Harry G.	69 Lincoln St., Laconia, N. H. 12 Grigg St., Greenwich, Conn. 78 Central St., Hudson, Mass. 269 Northrup St., Providence, R. I. 209 Blackstone St., Providence, R. I.	.5
ATW	Dangon Author D T	12 Grigg St., Greenwich, Conn	1.0
IENT	Brothers, George W. Brown, Irving M. Brown, Louis	78 Central St., Hudson, Mass.	.5
IASU ITX	Brown Louis	209 Northrup St., Frovidence, R. I	.5
10R	Brown, Randolph B Buck, Richard C Bueb, John J., jr Buffington, William H		
IANT IWA IRG	Buck, Richard C	44 Linden St., Reading, Mass.	.5
WA	Bueb, John J., jr	12 Maner Ave., Greenwich, Conn	.5
HI	Burke, Alan W	40 Pollock Ave., Pittsfield, Mass	1.0
ILH	Burke, Alan W. Burke, Henry M. Burt, Jairus F. Burton, H. R. Bushee, Ward H. Bushway, George F. Buttler, James T. Butterfield, George W. Buzzelle, Alfred R. Byron, Myles. Caldwell, George W. Caldwell, Raymond P. Campbell, Harold G. Campbell, James S.	44 Linden St., Reading, Mass. 12 Maher Ave., Greenwich, Conn. 836 Maple St., Fall River, Mass. 40 Pollock Ave., Pittsfield, Mass. 59 Chatham Rd., Everett, Mass.	.5
IAAL	Burt, Jairus F	66 Pine St., Pittsfield, Mass. 60 Cummings Ave., Wollaston, Mass. 249 County St., Attleboro, Mass.	.5
1SV 1HH	Bushee Ward H	249 County St. Attleboro Mass.	.5
1JE	Bushway, George F.	87 Glen Rock Ave., Malden, Mass. 31½ Broadway, New Haven, Conn. 14 Birch Hill Ave., Wakefield, Mass. 89 Kinnaird St., Cambridge, Mass.	.5
IAAQ	Butler, James T	31½ Broadway, New Haven, Conn.	.5
IIR	Butterfield, George W	14 Birch Hill Ave., Wakefield, Mass.	.5
IRS IESB	Byron, Myles	52 W. Liberty St., Waterbury, Conn	.5
1MV	Caldwell, George W	52 Cherry St., Lynn, Mass. 18 Morton St., Providence, R. I. 86 Kenwood St., Dorchester, Mass.	.5
IUF INU	Caldwell, Raymond P	18 Morton St., Providence, R. I.	.5
INU IJO	Campbell, Harold G	Northbridge, Mass	1.0
ARL	Campbell, John A.	Northbridge, Mass.  9 Fairlee St., Somerville, Mass.  14 High St., Rockport, Mass.  34 Concord St., Charlestown, Mass.  8 Decatur St., Worcester, Mass.  686 Massachusetts Ave., Boston, Mass.  3 Prospect St. Nantuckat Mass.	1.0
INV	Campbell, John A. Campbell, Margaret L. Carleton, Francis J.	14 High St., Rockport, Mass	.5
INV IATG IABY	Carleton, Francis J	34 Concord St., Charlestown, Mass	.5 .5 .5 .5
1ABY 1AAV	Carr, Albert H Carter, George T., jr. Cash, Wilson H	686 Massachusetts Ava Roston Mass	.5
180	Cash, Wilson H.	3 Prospect St., Nantucket, Mass.	.5
1MD	Caswell, Carlton T	106 Franklin St., Framingham, Mass	.5
1QE	Chace, Myron D	3 Prospect St., Nantucket, Mass. 106 Franklin St., Framingham, Mass. 7 Norwood St., Worcester, Mass. 19 11th Ave., Haverbill, Mass.	.5
IĞC ITY	Champlin, Albert R. Chase, Frank H.	19 11th Ave., Havernill, Mass. 75 Spring St., Westerly, R. I. 55 Washington Ave., Chelsea, Mass.	.5
iRC		. 2 ~ P	.0

#### FIRST DISTRICT—Continued.

Call ignal.	Owner of station.	Location of station.	Powe
			Kw.
HC	Cheetham, Henry R	81 Avon St., Somerville, Mass. 6 Aldersey St., Somerville, Mass. 54 High St., Mystic, Conn. Squantum, Mass. 67 Church St., Swanton, Vt. 160 College Ave., Waterville, Me. 25 Pierce Ave., Beverly, Mass. 49 Oak St., Hartford, Conn	0
AAO	Cheever, Walter G	6 Aldersey St., Somerville, Mass	
EIC	Chisholm, Chesleigh C	Squantum Mass	
HV	Chutter, George A. Claflin, Harold M. Clark, Charles V. Clark, Bradford J. Clark, Lyman J. Clark, Wesley C. Clark, Wesley C. Clark, Wesley C. Clarks G. Charles N.	67 Church St., Swanton, Vt.	1
LAQ.	Claffin, Harold M	160 College Ave., Waterville, Me	1
LABC	Clark, Charles V	25 Pierce Ave., Beverly, Mass	
WG MZ	Clark, Bradford J	49 Oak St., Hartford, Conn. Cuttyhunk Light Station, Goswold, Mass.	
MZ	Clark, Lyman J	Cuttyhunk Light Station, Goswold, Mass	
QR	Clark, Wesley C	34 Cliff St., Arlington, Mass. High School, Arlington, Mass. 17 Gibbs Ave., Newport, R. I. Providence, R. I.	
ASN TS	Clarkson Charles N	17 Gibbs Ave Newport R T	
UP	Clarkson, Charles N	Providence, R. I.	
PT	Clayton, Henry C. Clements, William B. Coggins, Paul P.		
PT RM	Clements, William B	29 Pemberton Sq., Boston, Mass. 93 Homer St., Newton Center, Mass. 350 Piedmont St., Waterbury, Conn. 193 Clapp St., Milton, Mass. 177 Wethersfield Ave., Hartford, Conn.	
ASK	Coggins, Paul P	93 Homer St., Newton Center, Mass	-
DJ	Cole, George E	350 Piedmont St., Waterbury, Conn	
NE WC	Coleman, Benj. B. B	193 Clapp St., Milton, Mass	
WC	Collina William F	117 Wethersheld Ave., Hartlord, Conn	
JD	Colson Helen B	Watertown High School Watertown Mass	
ISN	Colton, Robert H	768 North St., Pittsfield, Mass.	
WQ	Cole, George E. Coleman, Benj. B. B. Coleman, William F. Collins, W. Lovejoy. Colson, Helen B. Cotton, Robert H. Conner, John A. Cook L. Lavis W.	7 Sellick St., Stamford, Conn	
DH	Cook, Lewis W	49 Pleasant St., Ansonia, Conn	
DO	Cook, Lewis W. Cook, Witter T. Cooke, Grover C. Coolikoff, Jack. Coombs, George T.	177 Wethersfield Ave., Hartford, Conn. 44 Carver Rd., Newton Highlands, Mass Watertown High School, Watertown, Mass. 768 North St., Pittsfield, Mass 7 Sellick St., Stamford, Conn 49 Pleasant St., Ansonia, Conn 460 W. Main St., Norwich, Conn 19 Carnes St., Lynn, Mass 1 Chestnut St., Chelsea, Mass Castine, Me.	
JU	Cooke, Grover C	19 Carnes St., Lynn, Mass.	
ABT	Coolikoff, Jack	1 Chestnut St., Chelsea, Mass	
FP	Coombs, George T	Castine, Me. 656 2d St., Fall River, Mass. 42 Huron Aye., Cambridge, Mass.	
EMH	Copeland, Sylvester W Copeland, H. Depew Corcoran, Thomas A Corliss, Raymond B	42 Huron Ave. Combridge Mass	
SB	Corcoran Thomas A	21 Putnam Ave. Cambridge, Mass	
PA	Corliss, Raymond B	53 Allen Ave., Lynn, Mass.	
PA AEG		24 Clark St., Cambridge, Mass	
EC	Cosgrove, Fred J Cosgrove, Roland D Cosman, Howard E Cote, Armand E.	57 Cedar St., Taunton, Mass	
ON	Cosgrove, Roland D	14 Wright St., Cambridge, Mass	
ENE	Cosman, Howard E	190 Summer St., Fitchburg, Mass	1
ENE OU AR	Court Arthur N	1 Manument St. Portland Ma	
EAD	Courtney Roger D	98 W. Springfield St., Boston, Mass	
DE	Courtney, Roger D	42 Huron'Ave., Cambridge, Mass. 21 Putnam Ave., Cambridge, Mass. 53 Allen Ave., Lynn, Mass. 24 Clark St., Cambridge, Mass. 57 Cedar St., Taunton, Mass. 14 Wright St., Cambridge, Mass. 190 Summer St., Fitchburg, Mass. 184 Harrison St., Pawtucket, R. I. 1 Monument St., Portland, Me. 98 W. Springfield St., Boston, Mass. 94 W. Main St., Plainville, Conn. Castine, Me.	
FD	Crie, Oscar H Crocker, Edmund P Croft, Theodore C	Castine, Me	
FD	Crocker, Edmund P	Swains Wharf, Nantucket, Mass	
QS PW IABQ	Croft, Theodore C	10 Winthrop St., Everett, Mass	
PW	Crosby, Carlton R. Crosby, Leslie W. Cross, Leon F. Cumings, Francis H.	East Harwich, Mass	
AEY	Cross Loop F	2 Vine St Tilton N H	
GT	Cummings Francis H	Prides Crossing Mass	
NL	Curtis, Samuel. Custeau, Harry G. Dallin, Edwin B.	44 Faxon Rd., Atlantic, Mass	
IAAJ	Custeau, Harry G	24 Clark St., Cambridge, Mass	1
IASD	Dallin, Edwin B	69 Oakland Ave., Arlington Heights, Mass	
IQZ IKD	Danehy, Edward J. David, Harold E.	25 Sargent St., Cambridge, Mass.	
KD	David, Harold E	94 W. Main St., Plainville, Conn. Castine, Me Swains Wharf, Nantucket, Mass 10 Winthrop St., Everett, Mass 12 Elmwood Rd., Swampscott, Mass 12 Elmwood Rd., Swampscott, Mass 3 Vine St., Tilton, N. H. Prides Crossing, Mass 44 Faxon Rd., Atlantic, Mass 24 Clark St., Cambridge, Mass. 26 Oakland Ave., Arlington Heights, Mass 25 Sargent St., Cambridge, Mass 24 Belchertown Rd., Amherst, Mass 301 Main St., Rockland, Me	1
IANU	Davies, Orel E. Davis, Clifton D. Davis, Emery W. Davis, Everett E.	24 beichertown Rd., Amherse, Mass 301 Main St., Rockland, Me. 8 Cedar Court, Wakefield, Mass 1045 Beacon St., Newton Highlands, Mass. 16 St. Lawrence St., Portland, Me.	
ASL	Davis, Emery W	1045 Beacon St., Newton Highlands, Mass.	
ATO	Davis, Everett E	16 St. Lawrence St., Portland, Me.	
ASX	Davis, Harold W	R. F. D. No. 2, Keene, N. H	
INO ILY	Davis, Everett E. Davis, Harold W. Davis, Orin F. Daykin, Leo H. Dean, J. Marshall	16 St. Lawrence St., Fortaind, Me. R. F. D. No. 2, Keene, N. H. 124 Pearl St., Somerville, Mass. 339 Beacon St., Somerville, Mass. 46 Alderman St., Springfield, Mass. 23 Grove Ave., Westerly, R. I. Quincy St., Cambridge, Mass. 321 Greenwich Ave., Greenwich, Conn. Hampton, N. H.	
LY	Daykin, Leo H	339 Beacon St., Somerville, Mass	
EMV	Dean, J. Marshall	40 Alderman St., Springheld, Mass	
LATA	Deen Samuel W	Ouiney St. Cambridge Mose	
LE VW LEMJ	Delage, George C	321 Greenwich Ave., Greenwich, Conn.	
EMJ	De Lancey, Clyde P.	Hampton, N. H.	1
EMD	De Lano, Ralph B	Hampton, N. H. 76 Hancock St., Stoneham, Mass.	
IAEA	de Mars, Paul A	43 Vine St., Lawrence, Mass. 4 Church St., Simsbury, Conn.	1
IDM	Dean, J. Marsnall Dean, Reginald L. Dean, Samuel W. Delage, George C. De Lancey, Clyde P. De Lano, Ralph B. de Mars, Paul A. Dewey, Kenneth C. Dibbins, Samuel A. Didson, William E.	4 Church St., Simsbury, Conn	
IESK	Dibbins, Samuel A	Everett, Mass.	
IAEE	Dieter Deep C	216 Lymp Fells Way Malrosa Mass	
IEMK	Dock, Luther	59 Granite St., Westerly, R. T.	
IET	Dodge, Joseph B	59 Hamden Circle, Quincy, Mass. 216 Lynn Fells Way, Melrose, Mass. 59 Granito St., Westerly, R. 1 26 School St., Manchester, Mass.	
iESW iOZ	Dodge, William E	Beverly, Mass	
IOZ	Dioliss, Samuel A Dickson, William E Dieter, Dean C Dock, Luther Dodge, Joseph B Dodge, William E Doe, Charles S Dole Arthur M	Beverly, Mass. 291 Reesdale Rd., Milton, Mass 55 Buell St., Burlington, Vt. 32 Whittier St., Lynn, Mass.	
1CF	Dole, Arthur M	1.55 Buell St. Burlington, Vt.	

#### FIRST DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
		3-2	Kw.
1ABO 1EIZ	Donnelly, George F Donovan, Arthur B	South Meriden, Conn	0.
1EIZ	Donovan, Arthur B	49 Bigelow Ave., Rockland, Mass	1.
1AE		61 Oliver St Deelsland Ma	
1VG	Dow, Harrison L. Dow, John A. Downes, George H. Doyle, John B. Doyle, Walter J. Drake, Ervin T., jr. Drake, Nathan L. Drew, William E. Duchemin, Albert W. Duncan, Harrie E. Dunbam, Carroll S.	20 Woburn St., Reading, Mass. 223 Edgewood Ave., New Haven, Conn 306 Thurber Ave., Providence, R. I 29 Washington St., New Britain, Conn 40 Holyoke House, Cambridge, Mass. 203 Mt. Auburn St. Watertown Mass.	
IEAQ	Downes, George H	323 Edgewood Ave., New Haven, Conn	
1 4 77 17	Doyle, John B	20 Washington St. New Britain Conn	
1EAQ 1UO 1ATU 1PC	Drake Ervin T ir	40 Holyoka House Cambridge Mass	
1ATI	Drake, Nathan L		
1AAF	Drew, William E	324 Central St., Auburndale, Mass	
1RP	Duchemin, Albert W	26 Pond St., Greenfield, Mass	-1 - 1
1HZ	Duncan, Harrie E	324 Central St., Auburndale, Mass. 26 Pond St., Greenfield, Mass. 34 Foster St., Newtonville, Mass.	
1ATB		Berlin, Conn	
1AM 1AE	Durette, Adolard J	Berlin, Conn. 2 High St., Derry, N. H. Near Oakland, Me. 24 Milwood St., Dorchester, Mass.	
1LI	Durham, Wilson N Dwight, Harrison W	24 Milwood St. Dorobestor Mass	
iPK	Eastman, Damon L	Norfolk, Mass.	330
IEIN	Eaton, Louis F.	165 Belmont St., Brockton, Mass	TER
1EST	Eaton, Louis F Eaton, Richard E	59 Lovett St., Beverly, Mass	1
1HQ		15 Hastings St., Greenfield, Mass	
IID	Eddy, James C	Norion, Mass. 165 Belmont St., Brockton, Mass. 59 Lovett St., Beverly, Mass. 15 Hastings St., Greenfield, Mass. 489 Common St., Belmont, Mass.	
IDT	Edgerly, Albert H., jr	Kensington, Conn.	
IENZ	Edison, Gerald H	22 Reason St. Fyorett Mass	1
1QG 1KB	Eddy, James C. Edgerly, Albert H., jr. Edison, Gerald H. Edmester, Earle C. Edwards, Ralph E	489 Common St., Belmont, Mass. Kensington, Conn. 36 Bushnell St., Hartford, Conn 23 Beacon St., Everett, Mass. 214 Bacon St., Waltham, Mass. 153 Crest Ave., Revere, Mass. 33 S. Water St., New Haven, Conn. "The Standish," Waltham, Mass. 41 Lawrence St., Wakefield, Mass. 41 Lawrence St., Wakefield, Mass. 104 Claremont Ave., Arlington Heights, Mass. 35 5th St., Medford, Mass. Medford, Mass. Everett, Mass. 41 C St., Lowell, Mass. Manchester, Mass.	11.2
IRN	Ege John F	153 Crest Ave. Revere Mass	3
IRN IENM	Ege, John F. Ehler, Irwin H. Ekwall, George O.	33 S. Water St., New Haven, Conn.	
INC	Ekwall, George O	"The Standish," Waltham, Mass	70-110
IOF.	Ekwall, George O  Eldredge, Clarence R  Elliott, Thomas H., jr  Engel, Richard B  Entwistle, Guy R  Entwistle, Guy R  Entwistle, Warren R  Ericson, Arthur E  Erwin, William C	41 Lawrence St., Wakefield, Mass	
1HR	Elliott, Thomas H., jr	104 Claremont Ave., Arlington Heights, Mass	1
IABD	Engel, Richard B	35 5th St., Medford, Mass	1 - 1
IJJ IAER	Entwistle, Guy R	Mediord, Mass.	- 7
1MF	Entwistle, Guy R	ALC St. Lowell Mass	
IRD	Ericson, Arthur E	Manchester, Mass	1 3
IANI	Erwin, William C	Manchester, Mass. 50 Beechwood Ave., Watertown, Mass. 33 Parkland Ave., Lynn, Mass. 25 Bickerstoff St., Boston, Mass.	
IANI IEIO	Estabrooks, Roland W Etter, Earle F	33 Parkland Ave., Lynn, Mass	1
1AAY	Etter, Earle F	25 Bickerstoff St., Boston, Mass	
IAJ	Fabbri, Alessandro Fall River State Armorv. See Norwell, Joseph C.	Bar Haroor, Me.	1
1JT	Farmer, Edward E.	15 Cotting St., Medford, Mass. 21 Walter St., Somerville, Mass.	1
1EQ	Farnum, Willis H. Fassitt, Andrew J., jr	21 Walter St., Somerville, Mass	
IIJ	Fassitt, Andrew J., Jr	27 Walden St., Cambridge, Mass.	1 = 3
IANF	Fay, Arthur N	27 Walden St., Cambridge, Mass. 257 Broadway, Chicopee Falls, Mass. 181 Allen Ave, Portland, Me. 80 Crest Ave., Revere, Mass. Revere High School, Revere, Mass.	1
1ESF 1EAT	Feeney, Paul F	80 Crest Ave., Revere, Mass.	
IESU	Fenno, Stanley W	Rovers High School Revers Mass	
		Trevere High behoof, frevere, mass	
1ATF	Ferguson, Arthur W	52 Linden St., Everett, Mass.	
$_{ m 1RO}^{ m 1ATF}$	Ferguson, Arthur W. Fernald, Wilder A.	52 Linden St., Everett. Mass. 238 Hale St., Lowell, Mass.	
IATF IRO	Ferguson, Arthur W Fernald, Wilder A Fitch, Clinton	52 Linden St., Everett. Mass 238 Hale St., Lowell, Mass. 22 Cottage Pl., Waterbury, Conn.	1
IATF IRO IABF ITJ	Ferguson, Arthur W. Fernald, Wilder A. Fitch, Clinton Fitch, Conover Eleberty, Handlet	152 Linden St., Everett, Mass 238 Hale St., Lowell, Mass 22 Cottage Pl., Waterbury, Conn. 321 Hammond St., Newton, Mass 190 Essay St. Marjhorough Mass	1
IATF IRO IABF ITJ IENY	Ferguson, Arthur W Fernald, Wilder A Fitch, Clinton Fitch, Conover Flaherty, Harold J Flanders Fred F	Revere High School, Revere, Mass 52 Linden St, Everett. Mass 238 Hale St., Lowell, Mass 22 Cottage Pl., Waterbury, Conn 321 Hammond St., Newton, Mass 129 Essex St., Marlborough, Mass 9 Norway St. Roston, Mass	1
IATF IRO IABF ITJ IENY IOH IAEB	Ferguson, Arthur W Fernald, Wilder A Fitch, Clinton Fitch, Conover Flaherty, Harold J Flanders, Fred F Flint, Arthur W	52 Linden St., Everett. Mass 238 Hale St., Lowell, Mass. 22 Cottage Pl., Waterbury, Conn 321 Hammond St., Newton, Mass 129 Essex St., Marlborough, Mass 9 Norway St., Boston, Mass. 4 Green St., Wakefield, Mass.	. 1
IATF IRO IABF ITJ IENY IOH IAEB	Ferguson, Arthur W Fernald, Wilder A Fitch, Clinton Fitch, Conover Flaherty, Harold J Flanders, Fred F Flint, Arthur W Flint, Carl O	52 Linden St., Everett. Mass 238 Hale St., Lowell, Mass. 22 Cottage Pl., Waterbury, Conn. 321 Hammond St., Newton, Mass 129 Essex St., Marlborough, Mass 9 Norway St., Boston, Mass. 4 Green St., Wakefield, Mass. 4 High St., Westerly, R. T.	. 1
IATF IRO IABF ITJ IENY IOH IAEB ITL	Ferguson, Arthur W Fernald, Wilder A Fitch, Clinton Fitch, Conover Flaherty, Harold J Flanders, Fred F Flint, Arthur W Flint, Carl O Flint, Edward R	238 Hale St., Lowell, Mass. 22 Cottage Pl., Waterbury, Conn. 321 Hammond St., Newton, Mass. 129 Essex St., Marlborough, Mass. 9 Norway St., Boston, Mass. 4 Green St., Wakefield, Mass. 4 High St., Westerly, R. I Peaks Island. Me	1
IATF IRO IABF ITJ IENY IOH IAEB ITL IAZ	Fay, Arthur N Feeney, Elton O Feeney, Paul F Fenno, Stanley W Ferguson, Arthur W Fernald, Wilder A Fitch, Clinton Fitch, Conover Flaherty, Harold J Flanders, Fred F Flint, Arthur W Flint, Carl O Flint, Edward R Fogg, George F	238 Hale St., Lowell, Mass. 22 Cottage Pl., Waterbury, Conn. 321 Hammond St., Newton, Mass. 129 Essex St., Marlborough, Mass. 9 Norway St., Boston, Mass. 4 Green St., Wakefield, Mass. 4 High St., Westerly, R. I Peaks Island. Me	1
IATF IRO IABF ITJ IENY IOH IAEB ITL IAZ	Folin George C	238 Hale St., Lowell, Mass. 22 Cottage Pl., Waterbury, Conn. 321 Hammond St., Newton, Mass. 129 Essex St., Marlborough, Mass. 9 Norway St., Boston, Mass. 4 Green St., Wakefield, Mass. 4 High St., Westerly, R. I Peaks Island, Me. 52 Upham St., Melrose, Mass.	1
IATF IRO IABF ITJ IENY IOH IAEB ITL IAZ	Folin George C	238 Hale St., Lowell, Mass. 22 Cottage Pl., Waterbury, Conn. 321 Hammond St., Newton, Mass. 129 Essex St., Marlborough, Mass. 9 Norway St., Boston, Mass. 4 Green St., Wakefield, Mass. 4 High St., Westerly, R. I Peaks Island, Me. 52 Upham St., Melrose, Mass.	1
IATF IRO IABF ITJ IENY IOH IAEB ITL IAZ ITW INI IPD	Folin George C	238 Hale St., Lowell, Mass. 22 Cottage Pl., Waterbury, Conn. 321 Hammond St., Newton, Mass. 129 Essex St., Marlborough, Mass. 9 Norway St., Boston, Mass. 4 Green St., Wakefield, Mass. 4 High St., Westerly, R. I Peaks Island, Me. 52 Upham St., Melrose, Mass.	1
IATF IRO IABF ITJ IENY IOH IAEB ITL IAZ ITW INI IPD IPV	Folin, George G. Folsom, Owen E. Folsom, Rolfe A. Fortier, Ralph L.	238 Hale St., Lowell, Mass. 22 Cottage Pl., Waterbury, Conn. 321 Hammond St., Newton, Mass. 129 Essex St., Marlborough, Mass. 9 Norway St., Boston, Mass. 4 Green St., Wakefield, Mass. 4 High St., Westerly, R. I Peaks Island, Me. 52 Upham St., Melrose, Mass.	1
IATF IRO IABF ITJ IENY IOH IAEB ITL IAZ ITW INI IPD IPV	Folin, George G. Folsom, Owen E. Folsom, Rolfe A. Fortier, Ralph L.	238 Hale St., Lowell, Mass. 22 Cottage Pl., Waterbury, Conn. 321 Hammond St., Newton, Mass. 129 Essex St., Marlborough, Mass. 9 Norway St., Boston, Mass. 4 Green St., Wakefield, Mass. 4 High St., Westerly, R. I Peaks Island, Me. 52 Upham St., Melrose, Mass.	1
IATF IRO IABF ITJ IENY IOH IAEB ITL IAZ ITW INI IPD IPV IEMZ IAAK IENK	Folin, George G. Folsom, Owen E. Folsom, Rolfe A. Fortier, Ralph L.	238 Hale St., Lowell, Mass. 22 Cottage Pl., Waterbury, Conn. 321 Hammond St., Newton, Mass. 129 Essex St., Marlborough, Mass. 9 Norway St., Boston, Mass. 4 Green St., Wakefield, Mass. 4 High St., Westerly, R. I Peaks Island, Me. 52 Upham St., Melrose, Mass.	1
IATF IRO IABF ITJ IENY IOH IAEB ITL IAZ ITW INI IPD IPV IEMZ IAAK IENK	Folin, George G. Folsom, Owen E. Folsom, Rolfe A. Fortier, Ralph L.	238 Hale St., Lowell, Mass. 22 Cottage Pl., Waterbury, Conn. 221 Hammond St., Newton, Mass. 129 Essex St., Marlborough, Mass. 9 Norway St., Boston, Mass. 4 Green St., Wakefield, Mass. 4 High St., Westerly, R. I. Peaks Island, Me. 52 Upham St., Melrose, Mass. 133 Buckminster St., Brookline, Mass. 89 Hewlett St., Boston, Mass. 76 Rockland Ave., Malden, Mass. 248 Fort Pleasant Ave., Springfield, Mass. Woodward Ave., Reading, Mass. 8 Cedar Court, Wakefield, Mass. 21 Summit Ave., Brookline, Mass.	1
IATF IRO IABF ITJ IENY IOH IAEB ITL IAZ ITW INI IPD IPV IEMZ IEMX IEMX IUJ	Folin, George G. Folsom, Owen E. Folsom, Rolfe A. Fortier, Ralph L.	238 Hale St., Lowell, Mass. 22 Cottage Pl., Waterbury, Conn. 221 Hammond St., Newton, Mass. 129 Essex St., Marlborough, Mass. 9 Norway St., Boston, Mass. 4 Green St., Wakefield, Mass. 4 High St., Westerly, R. I. Peaks Island, Me. 52 Upham St., Melrose, Mass. 133 Buckminster St., Brookline, Mass. 89 Hewlett St., Boston, Mass. 76 Rockland Ave., Malden, Mass. 248 Fort Pleasant Ave., Springfield, Mass. Woodward Ave., Reading, Mass. 8 Cedar Court, Wakefield, Mass. 21 Summit Ave., Brookline, Mass.	1
IATF IRO IABF ITJ IENY IOH IAEB ITL IAZ ITW INI IPD IPV IEMZ IEMZ IENK IVJ IGX IUJ	Folin, George G. Folsom, Owen E. Folsom, Rolfe A. Fortier, Ralph L.	238 Hale St., Lowell, Mass. 22 Cottage Pl., Waterbury, Conn. 221 Hammond St., Newton, Mass. 129 Essex St., Marlborough, Mass. 9 Norway St., Boston, Mass. 4 Green St., Wakefield, Mass. 4 High St., Westerly, R. I. Peaks Island, Me. 52 Upham St., Melrose, Mass. 133 Buckminster St., Brookline, Mass. 89 Hewlett St., Boston, Mass. 76 Rockland Ave., Malden, Mass. 248 Fort Pleasant Ave., Springfield, Mass. Woodward Ave., Reading, Mass. 8 Cedar Court, Wakefield, Mass. 21 Summit Ave., Brookline, Mass.	1
IATF IAOF IAOF ITJ IENY IAEB ITL IAZ ITW INPD IPV IEMX IENK IUJ IUJ ILKT	Folin, George G. Folsom, Owen E. Folsom, Rolfe A. Fortier, Ralph L.	238 Hale St., Lowell, Mass. 22 Cottage Pl., Waterbury, Conn. 221 Hammond St., Newton, Mass. 129 Essex St., Marlborough, Mass. 9 Norway St., Boston, Mass. 4 Green St., Wakefield, Mass. 4 High St., Westerly, R. I. Peaks Island, Me. 52 Upham St., Melrose, Mass. 133 Buckminster St., Brookline, Mass. 89 Hewlett St., Boston, Mass. 76 Rockland Ave., Malden, Mass. 248 Fort Pleasant Ave., Springfield, Mass. Woodward Ave., Reading, Mass. 8 Cedar Court, Wakefield, Mass. 21 Summit Ave., Brookline, Mass.	1
1ATF 1RO 1RO 1RO 1TJ 1ENY 1OH 1AEB 1TL 1AZ 1TW 1NI 1PD 1PV 1EMZ 1AAK 1VJ 1GX 1UJ 1UJ 1UJ 1LUJ 1LUJ 1LUJ 1LUJ 1LUJ 1L	Folin, George G Folsom, Owen E Folsom, Rolfe A Fortier, Ralph L Fowle, Herbert L Frank, Louis G French, Walter B Frost, Edgar W Frost, Russell S Fruch, Frederick G Fuller, Clarence C	238 Hale St., Lowell, Mass. 22 Cottage Pl., Waterbury, Conn. 221 Hammond St., Newton, Mass. 129 Essex St., Marlborough, Mass. 9 Norway St., Boston, Mass. 4 Green St., Wakefield, Mass. 4 High St., Westerly, R. I. Peaks Island, Me. 52 Upham St., Melrose, Mass. 133 Buckminster St., Brookline, Mass. 89 Hewlett St., Boston, Mass. 89 Hewlett St., Boston, Mass. 248 Fort Pleasant Ave., Springfield, Mass. 248 Fort Pleasant Ave., Springfield, Mass. 21 Summit Ave., Brookline, Mass. 21 Summit Ave., Brookline, Mass. 22 Sheffield, Pepperell, Mass. 49 Winthrop St., New Britain, Conn. 962 South St., Rosindale, Mass. 50 High St., Mansfield, Mass.	1
1ATF 1RO 1RO 1RO 1RO 1RO 1TL 1TL 1AZ 1TW 1AZ 1TNI 1PD 1PV 1EMZ 1AAK 1VJ 1GX 1UJ 1DU 1KT 1IH 1KF 1KF	Folin, George G Folsom, Owen E Folsom, Rolfe A Fortier, Ralph L Fowle, Herbert L Frank, Louis G French, Walter B Frost, Edgar W Frost, Russell S Fruch, Frederick G Fuller, Clarence C	238 Hale St., Lowell, Mass. 22 Cottage Pl., Waterbury, Conn. 221 Hammond St., Newton, Mass. 129 Essex St., Marlborough, Mass. 9 Norway St., Boston, Mass. 4 Green St., Wakefield, Mass. 4 High St., Westerly, R. I. Peaks Island, Me. 52 Upham St., Melrose, Mass. 133 Buckminster St., Brookline, Mass. 89 Hewlett St., Boston, Mass. 89 Hewlett St., Boston, Mass. 248 Fort Pleasant Ave., Springfield, Mass. 248 Fort Pleasant Ave., Springfield, Mass. 21 Summit Ave., Brookline, Mass. 21 Summit Ave., Brookline, Mass. 22 Sheffield, Pepperell, Mass. 49 Winthrop St., New Britain, Conn. 962 South St., Rosindale, Mass. 50 High St., Mansfield, Mass.	1
IATF IRO IABF ITJ IENY IOH IAEB ITL IAZ ITNI IPD IPP IEMZ IAAK IVJ IENX IUJ IDU IKT IIH IKT IKF	Folin, George G Folsom, Owen E Folsom, Rolfe A Fortier, Ralph L Fowle, Herbert L Frank, Louis G French, Walter B Frost, Edgar W Frost, Russell S Fruch, Frederick G Fuller, Clarence C	238 Hale St., Lowell, Mass. 22 Cottage Pl., Waterbury, Conn. 221 Hammond St., Newton, Mass. 129 Essex St., Marlborough, Mass. 9 Norway St., Boston, Mass. 4 Green St., Wakefield, Mass. 4 High St., Westerly, R. I. Peaks Island, Me. 52 Upham St., Melrose, Mass. 133 Buckminster St., Brookline, Mass. 89 Hewlett St., Boston, Mass. 89 Hewlett St., Boston, Mass. 248 Fort Pleasant Ave., Springfield, Mass. 248 Fort Pleasant Ave., Springfield, Mass. 21 Summit Ave., Brookline, Mass. 21 Summit Ave., Brookline, Mass. 22 Sheffield, Pepperell, Mass. 49 Winthrop St., New Britain, Conn. 962 South St., Rosindale, Mass. 50 High St., Mansfield, Mass.	1
1ATF 1RO 1RO 1RO 1TJ 1ENY 1OH 1AEB 1TL 1AZ 1TW 1NI 1PD 1PV 1EMZ 1AAK 1VJ 1GX 1UJ 1UJ 1UJ 1LUJ 1LUJ 1LUJ 1LUJ 1LUJ 1L	Folin, George G Folsom, Owen E Folsom, Rolfe A Fortier, Ralph L Fowle, Herbert L Frank, Louis G French, Walter B Frost, Edgar W Frost, Russell S Fruch, Frederick G Fuller, Clarence C	238 Hale St., Lowell, Mass. 22 Cottage Pl., Waterbury, Conn. 321 Hammond St., Newton, Mass. 129 Essex St., Marlborough, Mass. 9 Norway St., Boston, Mass. 4 Green St., Wakefield, Mass. 4 High St., Westerly, R. I Peaks Island, Me. 52 Upham St., Melrose, Mass.	1

#### FIRST DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power.
112.4		645 Farmington Ave., Hartford, Conn. 261 Washington Ave., Providence, R. I. Franklin, Vt. West Chelmsford, Mass. 49 Lyon St., Fall River, Mass. Boston, Mass. 53 Heath St., Somerville, Mass. Berlin, N. H. 211 Arsenal St., Vatertown, Mass. 44 Pleasant St., Arlington, Mass. 64 First St., Melrose, Mass. 63 Chestnut St., Chelsea, Mass. 55 Homes Ave., Dorchester, Mass. 117 Park St., West Roxbury, Mass. 117 Park St., West Roxbury, Mass. 117 Crystal Ave., Derry, N. H. R. F. D., Fairhaven, Mass. 123 Hamilton Ave., Lynn, Mass. 45 Masonic St., Rockland, Me. Eastport, Me.	Kw.
1SF 1UD	Garrett, John D. Gates, Harold S. Gates, Paul H. Gavill, Wilbur W. Gavin, Thomas H. Gawler, H. C. Gawler, Leonard M. Geor Laurence P.	645 Farmington Ave., Hartford, Conn	1.0
1UD 1BF	Gates, Harold S	Erapklin Vt	.5
1GV	Gavill, Wilbur W	West Chelmsford, Mass	.5
1EAA	Gavin, Thomas H	49 Lyon St., Fall River, Mass	. 5
1RI 1SS	Gawler, H. C	Boston, Mass	5
1SK	Geer, Laurence P	Berlin, N. H.	.5
1ANA	George, Eldridge B Getchell, Melvin D	211 Arsenal St., Watertown, Mass	.5
1NQ	Getchell, Melvin D	14 Pleasant St., Arlington, Mass	.5 .5 .5 .5 .5 .5 .5
1AAG 1AEF	Ghen, Melville W	63 Chestnut St., Chelsea, Mass	.5
1CG	Gilman, Samuel. Godfray, Carlton T. Godfrey, Warren Golder, John. Gordon, Everett P.	55 Homes Ave., Dorchester, Mass	. 5
1ANG	Godfrey, Warren	117 Park St., West Roxbury, Mass	. 5
1PR	Gordon Everett P	17 Crystal Ave., Derry, N. H.	.5
1CH 1AH	Gordon, Everett P. Goularte, Manuel L. Gould, Clyde S.	R. F. D., Fairhaven, Mass	. 5
1AAS	Gould, Clyde S	123 Hamilton Ave., Lynn, Mass	. 5
1FA 1ENN	Gould Ralph W B	Eastport. Me	.5
1ESA	Gowell, Bert W	Eastport, Me 217 Randolph St., North Abington, Mass 571 Washington St., Brighton, Mass Sunapse, N. H.	
1WI 1ABG	Grant, Alfred A	571 Washington St., Brighton, Mass	. 5
1AAI	Graves, William S	Sunapee, N. H. 59 Regent St., Roxbury, Mass 29 Vine St., Medford, Mass Orono, Me	. 5
1SR	Gray, Hollis L	29 Vine St., Medford, Mass	. 5
1ENX	Gould, Clyde S. Gould, Charles D. Gould, Ralph W. B. Gowell, Bert W. Grant, Alfred A. Graves, William S. Gray, Arthur. Gray, Hollis L. Gray, Boland C. Gray, Walter B. Greeley, Francis B. Greim, Arthur M. Grenier, Leonard J.	7 He St., Rochester, N. H. Connord St., Rochester, N. H. Condred St., Hudson, Mass. Amory Ave., Boston, Mass.	.5
1CI 1NJ	Greeley Francis B	50 Church St., Hudson, Mass	.5
1UV	Greim, Arthur M	24 Amory Ave., Boston, Mass	.5 .5 1.0
1ENH	Grenier, Leonard J Griffin, Stephen A Guilmette, Edward J Hackett, Harry S Hahn, P. Francis.	24 Amory Ave., Boston, Mass. 43 Hamlet Ave., Woonsocket, R. I. Peaks Island, Me.	1.0
1FX 1UA	Guilmette Edward I	343 Mason St. Woonsocket, R. I	.5
1BQ	Hackett, Harry S	White River Junction, Vt	. 5
1IT	Hahn, P. Francis	St. Anselms College, Manchester, N. H	1.0
1KY 1AEH	Hallett, Charles E	43 Hamlet Ave., Woonsocket, R. I Peaks Island, Me.  43 Mason St., Woonsocket, R. I White River Junction, Vt. St. Anselms College, Manchester, N. H 28 Norcross Ter., Lynn, Mass 32 Devens St., Charlestown, Mass 55 Chestnut St., Portland, Me. 21 Crosby St., Augusta, Me. 7 Pomona St., Springfield, Mass 4 Blue Hill Ave., Roxbury, Mass 107 Grove St., Fall River, Mass 17 Crosby St., Augusta, Me. Vineyard Haven, Mass Littleton, Mass 19 Parkman St., Boston, Mass 38 Gray St., Arlington, Mass Newtonville, Mass 94 Hudson St., Hartford, Conn 80 Melborne St., Portland, Me. High School, North Attleboro, Mass 130 N. Pleasant St., Amherst, Mass Essex, Mass Essex, Mass 220 Lexington St., Belmont, Mas 86 Elm St., Portland, Me. 11 Oxford St., Portland, Me.	.5
1AW	Ham, Earle G Ham, Miles F	55 Chestnut St., Portland, Me	. 5
1FH	Ham, Miles F	21 Crosby St., Augusta, Me	1.0
10E 1HM	Hamilton, Charles F Hammett, Herbert M Hampton, William G Hanks, Ruel C Harding, David W Hardy, Jack Hardy, Ralph	4 Blue Hill Ave., Roxbury, Mass.	.5
1ESG	Hampton, William G	107 Grove St., Fall River, Mass	. 5
1ENC	Hanks, Ruel C	17 Crosby St., Augusta, Me	1.0
1JR 1PE	Harding, David W	Littleton, Mass	.5 .5 .5 .5 .5 .5 .5
1EAC 1ED	Hardy, Ralph Hardy, Rodney C	19 Parkman St., Boston, Mass	. 5
1ED	Hardy, Rodney C	38 Gray St., Arlington, Mass	. 5
1EIS 1ASJ	Harrington, Charles B	94 Hudson St., Hartford, Conn.	.5
1AF	Hart, Emery A	80 Melborne St., Portland, Me	. 5
1PM	Hartwell, E. G	High School, North Attleboro, Mass.	. 5
1ESQ 1VO 1LK	Hardy, Rodney C. Harrington, Charles B. Harris, Nathan G. Hart, Emery A. Hartwell, E. G. Hasbrouck, Louis. Haskell, Shirley D. Haskins, Frederic C. Hatch, James F. Hatch, Roland J.	Essex. Mass	1.0
1LK	Haskins, Frederic C	220 Lexington St., Belmont, Mass	. 5
IAY	Hatch, James F Hatch, Roland J	220 Fexington St., Belliotti, Mass 86 Elm St., Portland, Me. 171 Oxford St., Portland, Me.	.5 .5 .5 .5 .5
1FK 1ATP	Hatfield, Samuel J	CO TO + Ct	-
1SY	Hathaway, Samuel D Hayden, Kenneth L	80 Pjeasant St., Arington, Mass. 126 Atlantic Ave., Marblehead, Mass. 44 Chester Ave., Winthrop, Mass. 45 Pembroke St., Newton, Mass. 369 Main St., New Britain, Conn. 29 Hollister St., Pittsfield, Mass. 52 Warner St., Springfield, Mass. Rochester, Vt.	. 5
1AEV	Hayden, Kenneth L	44 Chester Ave., Winthrop, Mass	. 5
1ANY 1EIH	Heffernan, Edmund J.	369 Main St., New Britain, Conn.	1.0
1EMQ	Heidel, Edward O	29 Hollister St., Pittsfield, Mass	. 5
1ASZ	Hayward, Edward E., jr.  Heffernan, Edmund J.  Heidel, Edward O.  Hendrick, E. Allen  Henry, Hugh M.	52 Warner St., Springfield, Mass	. 5
10C 1JY		48 Brush Hill Rd., Mattapan, Mass	.5
1SW	Hersey, Ralph H Hertz, William F. C., jr Heyman, Harry	48 Brush Hill Rd., Mattapan, Mass 2 Harborview Ave., Salem, Mass 57 S. Water St., New Haven, Conn 15 Congress St., Springfield, Mass	1,0
1ABU	Hertz, William F. C., jr	57 S. Water St., New Haven, Conn	. 5
1QV 1ESS	Hick, Harry R		
1ENW	Hicks, George B. Higgins, Charles A	Penikese, Mass. 17 Pond St., Waltham, Mass. 171 Auburn St., Cambridge, Mass. 236 Chestnut St., Cambridge, Mass.	. 5
1GI	Higgins, Charles A	17 Pond St., Waltham, Mass	.5 .5
1FV 10K	Hill, Harold F. Hill, William J	236 Chestnut St., Cambridge, Mass	.5
1VT	Hill, William J	691-A Columbia Rd., Dorchester, Mass.	6.
1NH	Hilliard, Dana S. Hillson, Robert E. Himes, Norman E.	230 Chestnut St., Cambridge, Mass 691—A Columbia Rd., Dorchester, Mass. 301 Hanover St., Fall River, Mass. 661 Maple St., Fall River, Mass. 17 Asylum St., Norwich Conn.	.5
1CJ 1DP	THISOH, ROBERT E	17 April St., Fall Livel, Mass	1.0

#### FIRST DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
		1647 Boulevard, West Hartford, Conn. 11 Waller Court, New London, Conn. 106 Arlington St., Manchester, N. H. 28 Armstrong St., Jamaica Plain, Mass. 24 Wachusett St., Worcester, Mass. 8 Estrella St., Jamaica Plain, Mass. 6 Greenwich, Conn. 136 Moody St., Portland, Me. 117 Spring St., Windsor Locks, Conn. 26 Trenton St., Melrose, Mass. 21 Rockledge Rd., Newton Highlands, Mass. 11 Florida St., Springfield, Mass. 118 High St., Newburyport, Mass. 239 Broadway, Newport, R. I. Unionville, Conn. 24 Austin St., Newtonville, Mass. 24 Woodcliff St., Boston, Mass. 38 Main St., Dexter, Me. 11 Fair Oaks Ave., Newtonville, Mass. 44 Woodcliff St., Boston, Mass. 38 Main St., Dexter, Me. 11 Fair Oaks Ave., Newtonville, Mass. 44 School St., Keene, N. H. R. F. D. No. 3, Presque Isle, Me. 222 Eastern Ave., Gloucester, Mass. 484 Hope St., Providence, R. I. 17 Center St., Laconia, N. H. 42 Madison Ave., Newtonville, Mass. 3 Orange St., Newburyport, Mass. 19 Nevens St., Portland, Me. 42 Illinois St., Central Falls, R. I. 11 Fearless Ave., Lynn, Mass. 59 Glenwood Ave., Pittsfield, Mass. 7 Holten St., Danvers, Mass. 69 Winsor St., New Bedford, Mass. 15 School St., Newport, R. I. 2 Newton St., Narlboro, Mass. 57 Jaques St., Somerville, Mass. 89 Sewell Woods Rd., Melrose Highlands, Mass. 17 Mt. Vernon St., Providence, R. I. 2 Perkins St., Melrose, Mass. 61 Summer St., Central Falls, R. I. 17 Cromwell, Conn. 198 Randolph Ave., Milton, Mass. 25 Baldwin St., Cambridge, Mass. 1474 Pawtucket Ave., Rumford, R. I. 123 Winthrop St., Winthrop, Mass. 25 Baldwin St., Central Falls, R. I. 27 Central St., New Britain, Conn. 28 Treiting St., New Britain, Conn. 29 Treiting St., New Britain, Conn. 29 Treiting St., New Britain, Conn. 20 Treiting St., Providence, R. I. 21 Treiting St., New Britain, Conn. 20 Treiting St., Providence, R. I. 21 Treiting St., New Britain, Conn. 20 Tr	Kw.
1WS	Hitchcock, Howard A	1647 Boulevard, West Hartford, Conn	0.
1LP	Hitchcock, Richard C	11 Waller Court, New London, Conn	
1CD	Hitchcock, William H	106 Arlington St., Manchester, N. H	1.0
1PB 1MN	Hitchcock, Howard A Hitchcock, Richard C. Hitchcock, William H. Hoeffner, Frank A Hodgdon, Milo L. Hoffmann, Harry J. Hoggson, Wallace Holbrook, Frank L. Holcomb, Herbert A Holt, Clarence J.	24 Wachusatt St. Worcester Mass	
TTTT	Hoffmann, Harry J.	8 Estrella St., Jamaica Plain, Mass.	
IWY IANN IATY	Hoggson, Wallace	Greenwich, Conn	
1ANN	Holbrook, Frank L	36 Moody St., Portland, Me	
IATY	Holcomb, Herbert A	117 Spring St., Windsor Locks, Conn	
1KX 1AET	Holmes Phillip B	21 Rockledge Rd Newton Highlands, Mass	1
1FW	Holton, Albert M.	11 Florida St., Springfield, Mass	
1EMT	Hoopes, Thomas T	118 High St., Newburyport, Mass	
1RA	Hood, Ralph S	7 Ash St., Danvers, Mass	
1TI 1VQ	Horgan, T. Francis	Unionville Conn	1
1JB	Hovenden, Herbert C	42 Austin St., Newtonville, Mass.	
1QT 1ESO	Hovey, Arthur T	74 Woodcliff St., Boston, Mass	-
1ESO	Howard, Frank W	38 Main St., Dexter, Me.	
IGL IBX	Howe, Bradford L	11 Fair Oaks Ave., Newtonville, Mass	
IBII	Hoyt, Lowell P	R. F. D. No. 3. Presque Isle. Me.	9 45
IBU IEIP	Hudder, Paul B.	222 Eastern Ave., Gloucester, Mass	
1UX	Hull, Elliott B	484 Hope St., Providence, R. I	2000
1AEP	Hunkins, Fred L	17 Center St., Laconia, N. H	
1QY 1ATH	Hunt Alfred W	137-A Relmont St. Everett. Mass	
1AU	Holcomb, Herbert A Holt, Clarence J Holmes, Phillip B Holton, Albert M Hoopes, Thomas T Hood, Ralph S Horgan, T. Francis Horsfall, George W Hovenden, Herbert C Hovey, Arthur T Howard, Frank W Howe, Bradford L Howe, Reginald F Hoyt, Lowell P Hudder, Paul B Hull, Elliott B Hunkins, Fred L Hunt, Albert M Hunt, Alfred W Huntington, Charles E	3 Orange St., Newburyport, Mass	
1ASB	Huntington, Charles E Huston, Robert D	19 Nevens St., Portland, Me	
IABX	Hutchins, Albert G., jr	42 Illinois St., Central Falls, R. I.	
IANP	Hyde, Charles E	11 Fearless Ave., Lynn, Mass	
INS INN	Ingalls George A	7 Holten St. Danvers, Mass	
1EMO	Ireland, Wilbur E.	Corinna, Me.	
1MA	Irwin, Samuel D	West Bridgewater, Mass	
1LD	Isherwood, William L	69 Winsor St., New Bedford, Mass	
ITM IEAR	Jackson, Edward A	52 Newton St., Marlboro, Mass	
1GB	Jaques, Louis A	57 Jaques St., Somerville, Mass.	
1II	Jennings, W. Francis, jr	89 Sewell Woods Rd., Melrose Highlands, Mass	
TP	Jensen, Leonard C	17 Mt. Vernon St., Providence, R. I	
IKA IUE	Jepson, Warren F	161 Summer St. Central Falls R. I	
DA	Johnson, Arthur A	Cromwell, Conn.	
1HI	Johnson, Edward C., jr	198 Randolph Ave., Milton, Mass	1.
IENB IENS	Johnson, George E	135 Pleasant St., Brunswick, Me	
IENS	Johnson, George W	75 Ontorio St. Providence R T	
IMK	Johnson, Thurston A	123 Winthrop St., Winthrop, Mass.	
IASF	Jordan, Richard	22 Baldwin St., Cambridge, Mass	
1MJ	Judkins, Nathaniel B	1474 Pawtucket Ave., Rumford, R. I	
ILL IHU	Justice, Francis C	148 Tremont St., Newton, Mass	
IIC	Keller, Adrian C	4-A Pleasant Ave. Somerville, Mass.	
1CY	Kelley, Lawrence E	35 Saunders St., Allston, Mass	
1MI	Kelley, Richard P	8 O St., South Boston, Mass	
IDF	Kelsey, Philip C	Ivoryton, Conn	
IATA IASA	Kenison Arthur C	45 Parker St. Lexington, Mass.	1
IENQ IEX IANC	Kennedy, Jack A., ir	81 Sherman St., Portland, Me.	1.
1EX	Keyes, Perley E	71 School St., Sanford, Me	
IANC	Killam, Phineas S	25 Belmont St., Reading, Mass	
1QP 1NZ	Knight George W	21 Lasell St., Auburndale, Mass	de.
1EIR	Knight, Hugh C	132 Melrose St., Melrose, Mass.	75
iPI iLZ	Huntington, Charles E Huston, Robert D Hutchins, Albert G, jr Hyde, Charles E Hyde, Irving B Ingalls, George A Ireland, Wilbur E Irwin, Samuel D Isherwood, William L Jackson, Edward A Jacques, Arthur E Jaques, Louis A Jennings, W Francis, J F	3 Edwin St., Boston, Mass	
1LZ	Knight, Montgomery	475 Appleton St., Holyoke, Mass	1.
1EIJ	Knowlton Deen W	100 Chesthut St., Camden, Me	
1FN 1ASM	Koetter, Max W	554 Broadway, Everett, Mass.	185
IENP	Kollen, Henry T.	996 Eddy St., Providence, R. I	
1ATT	Kraus, William L	13 Fountain Ave., Somerville, Mass	-
1ANK	Knight, Maurice E Knight, Montgomery Knight, Winfield W Knowlton, Dean W Koetter, Max W Kollen, Henry T Kraus, William L Kurth, Henry L R La Marche, Harold E Landick, Robert E	126 Columbia St., Cambridge, Mass	
1EAO 1ASW	Landick, Robert E	77 Park St., Lynn, Mass	
1WR	Landick, Robert E Lane, Chauncey C Lally, Charles A	Presque Isle, Me 45 Parker St., Lexington, Mass. 81 Sherman St., Portland, Me 71 School St., Sanford, Me 25 Belmont St., Reading, Mass 21 Lasell St., Auburndale, Mass 29 Central St., Manchester, Mass 132 Melrose St., Melrose, Mass 132 Melrose St., Melrose, Mass 152 Melrose St., Holyoke, Mass 155 Lesthut St., Camden, Me 156 Chesthut St., Camden, Me 157 Appleton St., Belfast, Me 158 Broadway, Everett, Mass 1596 Eddy St., Providence, R. I 158 Fountain Ave., Somerville, Mass 158 Columbia St., Cambridge, Mass 179 Park St., Lynn, Mass 178 S. Water St., New Haven, Conn 159 Lincoln St., North Adams, Mass	1.
1KH	Talle Charles 1	10 Lincoln St. North Adoma Mass	

#### FIRST DISTRICT—Continued.

#### ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Power.
ALL.	7		Kw.
1KU	Lamb, Claude M	244 Federal St., Greenfield, Mass	0.5
1GD 1GK	Lamb, Claude M	79 Tyler St., Pittsfield, Mass. 799 Tyler St., Pittsfield, Mass. 27 Barnett St., New Britain, Conn. 176 Prepage St., Partland, Mass.	1.0
1EIV	Lawyer, Lamphere R	27 Barnett St., New Britain, Conn.	.5
ifL	Larrabee, Charles W	176 Prospect St., Portland, Me	.5
IUH	Lear, George F	101 Broadway, Newport, R. I.	.5
1UZ	Learned, Alpha A Leathers, John W Leavitt, Vernal A Lefave, Stanley J Leidel, Ralph J	176 Prospect St., Portland, Me. 101 Broadway, Newport, R. I. 76 Camp St., Providence, R. I. 78 Bay State Ave., Somerville, Mass. 26 Lafayette St., Portland, Me. 130 Tremont St., Melrose, Mass. 28½ Warren St., Providence, R. I. 25 Walnut St., Lynn, Mass. 353 S. Main St., Mansfield, Mass. 30 Newhall St., Lynn, Mass. 1188 State St., Bridgeport, Conn. 636 Broad St., Central Falls, R. I. North Haven, Conn. 124 Maplewood Ave., Gloucester, Mass. 226 Upland Rd., Cambridge, Mass.	.5 .5 .5
1JA 1FQ	Leavitt Vernal A	26 Lafavette St. Portland Me	.5
1WF	Lefave, Stanley J.	130 Tremont St., Melrose, Mass.	.5
1WF 1EIE	Leidel, Ralph J	28½ Warren St., Providence, R. I.	. 5
1IF	Leighton, Harold M. Leonard, Frederick D. Leonard, James A. Leonard, Theodore Lessard, Walter Lewis, George B. Lawis Konneth P.	25 Walnut St., Lynn, Mass.	.5
1MR	Leonard, Frederick D	353 S. Main St., Mansfield, Mass	.5
1ANL 1ESR	Leonard Theodore	1188 State St., Bridgeport, Conn	.5
1ESH	Lessard, Walter	636 Broad St., Central Falls, R. I	.5
1VV IEIM	Lewis, George B	North Haven, Conn	.5
IEIM	Lewis, Kenneth P	124 Maplewood Ave., Gloucester, Mass	.5
1AAR 1BB	Lewis, William H., Jr	226 Upland Rd., Cambridge, Mass	1.0
1SC	Lipson, Edward	Manomet, Mass.  38 Overlea Ave., East Saugus, Mass. 141 Chester Ave., Providence, R. I. 8 College St., Brunswick, Me.	1.0
isp	Lisker, William	141 Chester Ave., Providence, R. I.	.5
1AEL	Little, Noel C	8 College St., Brúnswick, Me.	.5
1EIL	Lewis, George B. Lewis, Kenneth P. Lewis, William H., jr. Lipson, Edward Lisker, William Little, Noel C Loheed, William J., jr. Lomnitzer, Frank W Lomnitzer, Frank W	12 Clifton Ave., Campello, Mass.	.5
1BM 1EIY	Loomis George A	119 S. Main St., St. Albans Vt	.5
iWU	Loomis, Harold C	18 Oakland Ter., Hartford, Conn.	. 5
1KI	Loring, Wilfred B	Plympton, Mass	• 5
1NY	Loomis, George A Loomis, Harold C Loring, Wilfred B Lovis, Donald B Lovis, Donald B	12 Cinton Ave. Campeno, Mass 1365 E. Main St., Bridgeport, Conn. 119 S. Main St., St. Albans, Vt. 18 Oakland Ter., Hartford, Conn Plympton, Mass. 26 Adelaide St., Jamaica Plain, Mass Littleton, Mass.	1·0
1EMB 1FF	Lovejoy, Julian Lowell, Philip E	Portland Pier, Portland, Me.	1.0
1ASR	Ludgate, Roswell V	239 Broadway, Cambridge, Mass	.5
1ENJ	Ludington, Harold A	239 Broadway, Cambridge, Mass 205 Peck Ave., West Haven, Conn	. 5
1ESD	Lyman, Charles F., jr	Dover, Mass.	. 5
IANE	Ludfigton, Harold A Lyman, Charles F., jr. Lyman, Edward W Lyman, Reginald P Lynch, John P Lynch, Sherman W Lynch, Sherman W Lynde, Kenneth R Lynn English High School. Lynn, Harold W Lyon, William H Macurdy, Ernest H	25 Pine St., Pittsfield, Mass. 27 S. Main St., Rutland, Vt.	55 55 55 55 55 1.00
1ASH 1NT	Lynch, John P	260 Geneva Ave., Dorchester, Mass.	5
1EAE	Lynch, Sherman W	High School, Beverly, Mass.	. 5
1SJ	Lynch, Sherman W	26 Abbott St., Beverly, Mass. 20 Cloelia Ter., Newtonville, Mass. Highland Square, Lynn, Mass. 107 Alden St., Whitman, Mass. Fast Lexington Mass.	. 5
1HE	Lynde, Kenneth R	Highland Square Lynn Mass.	1.0
1VK 1MW	Lynn, Harold W	107 Alden St., Whitman, Mass	1.0
1ML	Lyon, William H	East Lexington, Mass.	
1ATS	Macurdy, Ernest H	28 Chester St., Watertown, Mass.	. 5
1RE	MacLeod, Charles M	11 St. Stephens Court, Lynn, Mass	. 5
1TN 1EIX	Macurdy, Ernest H. MacLeod, Charles M. Mahoney, Charles J. Man, Edward H. Manchester, Arthur W. Manchester, Edwin F.	North Stonington, Conn	. 5
1TG	Manchester, Arthur W	31 Newport Ave., Newport, R. I.	.5
1CW	Manchester, Edwin F	4 Park Place, Portland, Me	.5
1TH	Manuel, Lloyd	6 Nichol Ter., Newport, R. I.	1.0
1UT 1EY	Marcroft William	235 Northun St., Cranston R. I	. 5
1AB	Marroft, Jesse Marcroft, William Marden, Frank O Marsh, Albert A Marshall, Robert E Marshall, T, Stanley Martin, Paul S	28 Chester St., Watertown, Mass.  11 St. Stephens Court, Lynn, Mass.  18 Pond Ave., Newport, R. I. North Stonington, Conn.  31 Newport Ave., Newport, R. I. 4 Park Place, Portland, Me. 6 Nichol Ter., Newport, R. I. Warwick, R. I. 235 Northup St., Cranston, R. I. 250 Elm St., South Portland, Me. 11 Heard St., Chelsea, Mass. 2 Pleasant Pl., Marlboro, Mass. 1 Hobart St., Danvers, Mass. 79 7th St., Turners Falls, Mass. Boston, Mass.	.5
1GP	Marsh, Albert A.	11 Heard St., Chelsea, Mass	.5
1EAW	Marshall, Robert E	2 Fleasant Fl., Marlboro, Mass	1.0
1NG 1ENA	Martin, Paul S	79 7th St., Turners Falls, Mass	1.0
ilc	Massachusetts Institute of	Boston, Mass	1.0
	Machinology		
1AAB	Massey, John C	3 Whitwell Ave., Newport, R. I. 34 Corona St., Dorchester, Mass.	. 5
1MT 1AEX	Mathewson, Oliver W	22 Arlington St. West Haven Conn	. 5
1VF	Maurer, Frank T. Mayer, Arthur W.	32 Arlington St., West Haven, Conn. 7 Chestnut St., Jamaica Plain, Mass. 20 Belden St., New Britain, Conn. 81 Parade St., Providence, R. I	.5 .5 .5 .5 .5 .5 .5 .5
1EAY	McCarthy, George E. McCurdy, Bruce H.	20 Belden St., New Britain, Conn	.5
1ER		81 Parade St., Providence, R. I	. 5
1NW 1END	McDermott, Joseph H	81 Farade St., Frovidence, R. 1 Belmont, Mass. 88 Forest Ave., Portland, Me. 206 Fayette St., Wollaston, Mass. 64 Cutter St., Melrose, Mass. 431 Great Plains Ave., Needham, Mass. 259 Pond St., Boston, Mass. 54 Plymouth St., Carver, Mass.	. 5
100	McGrath, Joseph L	206 Favette St., Wollaston, Mass	.5
1QQ 1TZ	McHenry, Albert T	64 Cutter St., Melrose, Mass.	.5
1CX	McIntosh, Harold W	431 Great Plains Ave., Needham, Mass.	.5
1ASC	McKay, John S. K	259 Pond St., Boston, Mass.	. 5
1CU 1ABV	McElroy, George A McGrath, Joseph L McHenry, Albert T McIntosh, Harold W McKay, John S. R McKay, Freston L McKlnney, Roscoe H McLane, Henry R	342 Union Ave., Laconia, N. H.	.5
1CM	1		1.0

54257°—16——6

#### FIRST DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
105			Kw.
1VD	McMahon, John F., jr	56 West Ave., South Norwalk, Conn	0.
1VD 1LX 1AAN	McMahon, John F., jr McMahon, William G McNamara, Frederick W	6 Rockland St., Melrose Highlands, Mass	
1ESX	Meader Raymond R	R F D No 1 Rochester N H	
1EZ	Medbery, Chester H	7 Sprague Ave., Cranston, R. I.	
1FM	Medbery, Chester H. Meggison, Forrest L. Meggison, Wilbur P.	82 Central St., Westbrook, Me	
1FJ 1UC	Meggison, Wilbur P	13 Mechanic St., Westbrook, Me	
1UC	Mellor, Joseph W	186 6th Ave., Woonsocket, R. I.	
1QH 1SA	Mellor, Joseph W. Melvin, Arthur W. Mercer, W. Roy. Merritt, Hyland E. Merrow, Ernest W. Meynell, Louis C. Mile Brice W.	180 oth Ave., woonsocket, R. 1 R. F. D. No. 1, Chelmsford, Mass. 34 Webster St., Allston, Mass. 18 Lowden Ave., Somerville, Mass. 21 Houghton St., Worcester, Mass. 49 Waban Hill Rd., Newton, Mass.	
1UY	Merritt, Hyland E	18 Lowden Ave., Somerville, Mass.	
1UY 1ASI	Merrow, Ernest W	21 Houghton St., Worcester, Mass	
1ATM	Meynell, Louis C	49 Wahan Hill Rd., Newton, Mass.	
1BB		48 Crescent St., Rutland, Vt. 70 Jonathan St., Providence, R. I. 1 Kensington Heights, Worcester, Mass. 144 Lawton Ave., Lynn, Mass. 424 Wethersfield Ave., Hartford, Conn. 55 Codor St. New Particia, Corp.	
IATZ	Mitchell, Adolph H	70 Jonathan St., Providence, R. I.	
IND IABH	Mix, Donald G Mooradian, Arom P	144 Lawton Ava. Lynn Mass	
iESJ	Morrill, Donald H	424 Wethersfield Ave., Hartford, Conn.	1.
ESL	Morris, Joseph A		
ISQ.	Morrison, H. R. Morrison, Raymond D.	137 Ingham St., Willimansett, Mass. 17 Malbone Ave., Newport, R. I	
1EME 1VU	Morrison, Raymond D		
IVU	Morse, Harold J	40 Clark St., Hartford, Conn	
1BK 1QO	Morton Adelhert R	79 Longdala St. Dorchester Mass	
1GO	Morton, Sidney	6 Francis Ave., Pittsfield, Mass	
IAEX	Mosher, Albert E	35 Forest St., Lawrence, Mass	
110	Morton, Adelbert R Morton, Sidney. Mosher, Albert E Mosher, Clifton E Muehl, Gottfried.	10 Clark St., Hartford, Conn. 24 Terrill St., Rutland, Vt. 79 Lonsdale St., Dorchester, Mass 6 Francis Ave., Pittsfield, Mass. 35 Forest St., Lawrence, Mass. 11 Jenny Lind St., New Bedford, Mass. Bartlett & Clinton Sts., Portsmouth, N. H. 369 Main St., New Britain, Conn.	
1ENO	Muehl, Gottfried	Bartlett & Clinton Sts., Portsmouth, N. H	
1TB	Mulvihill, Francis A. Munroe, Henry W. T. Murphy, Charles F.	369 Main St., New Britain, Conn. 38 Beacon St., Everett, Mass. 54 Essex St., Marlboro, Mass.	
$_{ m LEIU}$	Murphy Charles F	54 Essex St., Marlboro, Mass	
PX		Florence, Mass. 21 Norway St., Boston, Mass. 22 Wensley St., Boston, Mass. 43 Granite St., Biddeford, Me	
IMC	Murray, Albert F	21 Norway St., Boston, Mass	
IAAM	Murray, James J	28 Wensley St., Boston, Mass	
1QF	Murray, Albert F. Murray, James J. Nash, Paul. Nash, William A.	64 Fairmont Ave., Newton, Mass	
IFS	Nash, William A	10 Grove St., Pittsfield, Mass.	
LAAD LWN	Needham, Raymond W Neuhaus, Theodore F	Windsor, Conn	1.0
RY	Newtomb, Roland D	16 Webster St., Atlantic, Mass	
TO TI	Newton, Raymond C Nichols, John S	292 California Ave., Providence, R. I.	1.0
IFR IFU	Nichols, John S	60 Edward Ave., Pittsfield, Mass 119 Washington Ave., Portland, Me	1.0
GH	Nicholson, James H	33 Radeliffe Rd., Somerville, Mass	1.0
SG	Nickerson, Arthur B. Nickerson, Edgar W. Noble, Lewis C.	33 Radeliffe Rd., Somerville, Mass. 16 Atlantic Ave., Beverly, Mass. 35 Woodlawn Ave., Wellesley Hills, Mass.	
QJ	Noble, Lewis C	35 Woodlawn Ave., Wellesley Hills, Mass	
RU	Norcross, Warren	Needham, Mass	5.55 5.55 5.55 5.55 5.55 5.55 5.55
EAF	Norwell, Joseph C	107 Chestnut Ave., Jamaica Plain, Mass.	
IQA ISU	O'Brien David W	178 Second St., Pittsfield, Mass	- 6
OB	Noble, Lewis C. Norcross, Warren. Norwell, Joseph C. Nyquist, Norman A. O'Brien, David W. O'Brine, Daniel J. O'Connor, Cornelius T.	178 Second St., Pittsfield, Mass. 152 Bridge St., Manchester, Mass.	. 5
BB	O'Connor, Cornelius T	10 Cowperthwaite St., Cambridge, Mass. 66 Bassett St., Lynn, Mass.	. 8
ANZ	O'Hara, John F Ohlson, Olof	66 Bassett St., Lynn, Mass	. 5
IX	Ohlson, Olol	472 Crafts St., Newton, Mass. 235 Springside Ave., Pittsfield, Mass.	+0
HT SD	Oliver, H. E Oliver, Herbert W	164 Allen Ave., Lynn, Mass.	
ESE	O'Neill, John D	Lagrand St Stamford Conn	.5
ANO	Osborne, Roger W	15 Olney Pl., East Lynn, Mass. 78 Charles St., Springfield, Mass. 57 Wollaston Ave., Arlington Heights, Mass.	. 5
MO	Ostrander, Freeman J., jr	78 Charles St., Springfield, Mass	. 5
GN WK	Palmer, Charles A	320 Wethersfield Ave., Hartford, Conn.	1.0
PC	Palmer, Rae C	93 Central St., Somerville, Mass.	1.0
ANQ	Palmer, Charles A Palmer, Rae C Palmer, Russell S Palmquist, Walter N.	701 Cranston St., Providence, R. I.	.5 5 1.0 .5 .5
VY	Park Francis E., ir	359 Main St., Stoneham, Mass	.5
VY JC	Parker, John A	246 Broadway, Somerville, Mass	1.0
BY	Parker, John A. Parker, Leighland F. Parker, Wesley G.	Island Pond, VI. 37 Cherry St., New Britain, Conn Reading, Mass. 613 California St., Newtonville, Mass.	1.0
EAB	Parker, Wesley G	Reading Mass	.5 .5 .5
IE	Paton, Raymond	613 California St., Newtonville, Mass.	.5
	Patten, Ernest L. O	11 Hollings St., Marriell, Mass	.5
10		TITE TO I	.5
OM	Payson, Gilbert R., jr	545 Belmont St., Belmont, Mass	
IIG IOM IUB IUN IKF	Payson, Gilbert R., jr	545 Belmont St., Belmont, Mass. 5 W. Park St., Providence, R. I. Middletown, R. I	.5

#### FIRST DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
1RF	Pennypacker, Thomas R	6 Chauncy St., Cambridge, Mass	0.
1AT	Perry, Horace R	74 Winter St., Portland, Me	
1DB	Perry, Horace R	44 New King St., Thompsonville, Conn	
1DB 1ATL 1EMP	Peterson, Robert M	74 Winter St., Portland, Me. 44 New King St., Thompsonville, Conn. 38 Blodgett Pl., Worcester, Mass. 22 Lamberton St., New Haven, Conn.	:
1KK	Petrie, Andrew L	Dortmouth Mass	
1PN	Pettey, Raymond A Pettipas, William P Phelan, Harold. Phelan, Lawrence T.	Dartmouth, Mass. 14 Friend Street Pl., Lynn, Mass. 35 Cedar St., Wakefield, Mass. 102 Rodman St., Fall River, Mass.	
1ESI	Phelan, Harold.	35 Cedar St., Wakefield, Mass.	
1ESI 1EW	Phelan, Lawrence T	102 Rodman St., Fall River, Mass	
1WB	Philbrook, Robert G Phillips, Henry D Pickles, Joseph A Pierce, Frederick H Pierce, Robert	Greenwood, Mass. 11 Haskell St., Cambridge, Mass.	:
1SE	Phillips, Henry D	11 Haskell St., Cambridge, Mass	
1A0	Pickles, Joseph A	11 Haskell St., Cambridge, Mass. 38 Emery St., Sanford, Me. High School Bldg., Lewiston, Me. 70 Westland Ave., Boston, Mass. 173 Howard Ave., New Haven, Conn. 92 Franklin St., Watertown, Mass. 71 Jouvett St., New Bedford, Mass.	
1EN 1IL	Pierce, Frederick H	70 Westland Ave. Roston, Me	
ENL	Pierson, George B	173 Howard Ave New Haven Conn	
IATC	Pinkham, Everett C	92 Franklin St., Watertown, Mass	
1AAH	Pinkham, Everett C Pinnington, William	71 Jouvett St., New Bedford, Mass	
IKN	Plaisted, Frank H Polleys, William V., jr. Poole, Willard H Poor, Stearns. Pare Ported B	142 Davis Ave., Brookline, Mass. 606 Public St., Providence, R. I. 229 Belmont St., Fall River, Mass.	
1EMG	Polleys, William V., jr	606 Public St., Providence, R. I.	
1EMR	Poole, Willard H	229 Belmont St., Fall River, Mass	
1EMS	Poole, Willard H	Durfie High School, Fall River, Mass	
1ASE	Poor, Stearns	2 Winthrop Donyors Mass	
IABP	Pope, Donald R. Potter, Robert G. Powell, Miss Cecil.	50 Carfield St Watertown Mass	
1ATN 1WX	Powell Miss Cecil	86 Farmington Ave. Hartford Conn	1
1JS	Powers, Leonard S	2 Winthrop, Danvers, Mass. 50 Garfield St., Watertown, Mass. 86 Farmington Ave., Hartford, Conn. 431 Plymouth St., Carver, Mass. 266 Fairview St., New Britain, Conn.	
1DR	Pranitis George	266 Fairview St., New Britain, Conn	1.
1JG	Pratt, Fearing. Pratt, Phinehas W. Pratt, Rahma W. Pratt, Walter L.	200 Fairview St., New Britain, Comm. 120 Main St., Hingham, Mass. 100 Harvard St., Everett, Mass. 207 Longfellow St., Westbrook, Me. 50 Hartsuff St., Rockland, Mass. 6 Lincoln St., Stoneham, Mass. 5 Charles St. Nawrott B. I.	
1ABM	Pratt, Phinehas W	100 Harvard St., Everett, Mass	
1AN	Pratt, Rahma W	207 Longfellow St., Westbrook, Me	100
1PJ	Pratt, Walter L	6 Lincoln St., Rockland, Mass	
IRK IAAC		5 Charles St., Stollenam, Mass	1
1OM	Prinz, Julius C. Proulx, George H. Pulley, Lester A. Purssell, Clarence V.	5 Charles St., Newport, R. I. 147 Pemberton St., Cambridge, Mass.	
1QM 1PY	Pulley Lester A	33 Porter St., Melrose, Mass	
1MP	Purssell, Clarence V	33 Porter St., Melrose, Mass. 1257 Morton St., Dorchester, Mass.	
1ASQ		14 Figmore Ave Lynn Moss	
1PZ	Ranlett, Frederick J., jr	357 Central St., Auburndale, Mass	
1IK	Ranlett, Frederick J., jr Ray, Charles H. Redfield, Kendall A. Redick, Kenneth T.	127 Autour Sept. December, Mass. 14 Elsmere Ave., Lynn, Mass. 257 Central St., Auburndale, Mass. R. F. D. No. 2, Auburn, Me. 18 Mace Pl., Lynn, Mass.	
1AEO	Redfield, Kendall A	18 Mace Pl., Lynn, Mass	
1DY	Redick, Kenneth T	Newington, Conn	1.
1CQ 1PO		61 Chastrut St. Now Rodford Mass	1.
IANV	Reed, Leslie S. Reed, Parker C. Reed, Sherman A.	27 Norway St Roston Mass	1.
1BO	Reed Sherman A	19 Dunbar St., Keene, N. H.	
IEAG	Reeves, Clarence E	18 Mace FI, Lynn, Mass. Newington, Conn. 672 Marlboro St., Keene, N. H. 61 Chestnut St., New Bedford, Mass. 37 Norway St., Boston, Mass. 19 Dunbar St., Keene, N. H. 37 Edgewood St., Roxbury, Mass. 181 Woodlawn Ave., Pittsfield, Mass. 8 Codar St. Wakefield Mass.	
1HS	Reese, Lauren A	181 Woodlawn Ave., Pittsfield, Mass	
1SZ	Reid, Ralph A	8 Cedar St., Wakefield, Mass. 269 St. Botolph St., Boston, Mass.	
1EAM	Remington, Frederick H Revere High School. See Fenno, Stanley W.	269 St. Botolph St., Boston, Mass	
	Revere High School. See		
1 am	Fenno, Stanley W.	20 Corden Ct Framingham Mass	
1ST 1CP	Reynolds, J. Louis	20 Cordon St., Framingham, Mass	119
1GE	Reynolds, Walter W. Reynolds, William B. Rhodes, Clarence A.	20 Cordon St., Framingham, Mass. 19 Marlboro St., Belmont, Mass. 37 State St., Framington Center, Mass. 50 Sedgewick St., Bridgeport, Com. 8 Thatcher St., Hyde Park, Mass. 12 George St., Medford, Mass.	
1DI	Rhodes, Clarence A	50 Sedgewick St., Bridgeport, Conn	
IANR	Rice, Alonzo H., ir.	8 Thatcher St., Hyde Park, Mass	
1IA	Rice, Alonzo H., jr	12 George St., Medford, Mass	
1JX	I Ringldi Henry L	34–A Ibbetson St., Somerville, Mass. 458 Lowell St., Manchester, N. H 149 State St., New London, Conn.	
1CC	Robert, Fortuna. Robillard, Paul M Robinson, B. C	458 Lowell St., Manchester, N. H	
1DD	Robillard, Paul M	149 State St., New London, Conn	1
1BR 1GR	Robinson, B. C	126 Pleasant St. Attleboro Mass	1
1FE	Robinson Laurence B	R. F. D. No. 2. Gorham, Me.	
1EJ	Robinson, Philip F	149 Hollis Ave., Braintree, Mass.	
1EMU	Robinson, Philip F. Rogers, Harold A. Root, Edward L.	149 State St., Ack London, Confi. St. Johnsbury Center, Vt. 136 Pleasant St., Attleboro, Mass. R. F. D. No. 2, Gorham, Me 149 Hollis Ave., Braintree, Mass. 39 Paulena St., West Somerville, Mass 36 North School St., Manchester, Conn 23 Woodlawn St. Lynn Mass	
1ENV	Root, Edward L	36 North School St., Manchester, Conn	
1AEN	Rosen, Victor E	33 Woodlawn St., Lynn, Mass	
1EL	Rosenbloom William	38 Woodlawn St., Lynn, Mass.  108 Thornton St., Revere, Mass.  135 Dale St., Waltham, Mass.  110 Loring Rd., Winthrop, Mass.  49 Fairmont St., Belmont, Mass.	
1MS	Rowell, Kendall B	135 Dale St., Waltham, Mass	
1UW 1LS	Rowe, Austin E	110 Loring Kd., Winthrop, Mass	
ILS IDT	Runey, Leon C Rusack, Sidney L	192 Adams St., Lakewood, R. I.	
1BT 1RR	Rusk Jon M	192 Adams St., Dakewood, It. I	
1ATD	Rusk, Ian M	West Townsend, Mass. 51 E. Liberty St., Waterbury, Conn. 86 Calhoun St., Springfield, Mass. 124 Prairie Ave., Providence, R. I.	
1EML	Ryan, James F. Ryder, Malcolm P. Sacs, James G.	86 Calhoun St., Springfield, Mass.	
1EIG	Soon Tomos C	194 Proirie Ave Providence R I	I.

# FIRST DISTRICT—Continued. ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
IIZ 1QI 1AEI	St. James, Robert T	38 Avery Lane, Great Barrington, Mass	1.
IQI	St. James, Vincent St. John, Forbes	258 1st St., Pittsfield, Mass	1.
WT	St. John, Fordes	Darien, Conn 81 W. Main St., Ivoryton, Conn 17 N. Elm St., Waterbury, Conn	1.
WT	Sam C King	17 N Flm St. Waterbury Conn	1.0
DX	Salzgeber, John W Sam, C. King. Sandreuter, Stuart	Stamford, Conn.	1.
HL	Sargent, Frederick G Saugus High School. See Senay, Charles T.	Westford, Mass	1.0
1FD	Saunders, Frank	Richmond, Me	1.0
IQB IAV	Saunders George R	Richmond, Me	
LAV	Sawyer, Harry L Sayward, Lyman W Scher, Harold C	22 Frankis St., Boston, Mass. 233 Belmont St., Wollaston, Mass. 20 Ashton Ave., Beverly, Mass. 21 Thatcher St., Hyde Park, Mass. 27 Alston St., Somerville, Mass. 252 Franklin St., Melrose Highlands, Mass.	
HK	Sayward, Lyman W	253 Belmont St., Wollaston, Mass	
LASG	Scher, Harold C	20 Ashton Ave., Beverly, Mass	
IIN	Schwartz, Walter P Scott, Kenneth G Scott, Ralph A	3 Thatcher St., Hyde Park, Mass	
IN LM LT EU	Scott, Keilleth G	27 Alston St., Somerville, Mass.	
EII	Saihart Laroy G	Berlin Conn	
ITM	Senay, Charles T	Berlin, Conn Saugus High School, Saugus, Mass	
ANM	Senior, William B	68 Mechanic St., Westerly, R. I	
IIU	Shattuck, George E	227 Broad St., North Attleboro, Mass	
AEQ.	Shaw, Arthur M	49 Washington Blvd., Springfield, Mass	20 co
BN	Shaw, Raymond H	10 E. Washington St., Rutland, Vt	1. 0 1. 0
DC	Sheehan, Walter J	40 Terrace Ave., Waterville, Conn	1.0
LAS	Scott, Ralph A Scibert, Leroy G. Senay, Charles T. Senior, William B. Shattuck, George E. Shaw, Arthur M. Shaw, Raymond H. Sheehan, Walter J. Sheffield, Irving J. Sherman, Israel. Sherman, Joseph E. Shirt, Arthur G. Shorey, G. Faxon.	Saugus High School, Saugus, Mass 68 Mechanic St., Westerly, R. I 227 Broad St., North Attleboro, Mass. 49 Washington Blvd., Springfield, Mass 10 E. Washington St., Rutland, Vt. 40 Terrace Ave., Waterville, Conn. 25 Warren St., Hallowell, Me. 55 Revere St., Boston, Mass. 349 Tremont St., Fall River, Mass. 249 Grove St., Melrose, Mass. 5 Chelsea St., Charlestown, Mass. 6 Kensimgton Ave., Springfield, Mass. 44 High St., Hartford, Conn. 124 Beech St., Roslindale, Mass. Simsbury, Conn.	1.0
MQ	Sharmon Joseph E	240 Trament St. Reston Mass	.5
IGG	Shirt Arthur G	18 Augustus St., Foll Piyar Mass	. 0
RX	Shorey, G. Faxon	249 Grove St., Melrose Mass	
IRX IQU	Shortis, John	5 Chelsea St., Charlestown, Mass.	.5
$\mathbf{SM}$	Sias, Cyril W Simkin, Colin	62 Kensington Ave., Springfield, Mass	.5
WO RC	Simkin, Colin	44 High St., Hartford, Conn	1.0
RC	Simmons, Minot A	124 Beech St., Roslindale, Mass.	.5
$_{ m AL}^{ m DF}$	Simsbury High School	Simsbury, Conn.	.5
ASX	Sigson Harry D ir	41 Branton Tar Pittsfield Moss	.5
RQ	Simkin, Colin. Simmons, Minot A. Simsbury High School. Simnett, Chester M. Sisson, Harry D., jr. Sistare, Donald B. Slawson, Spencer W. Sleeper, Joseph N. Smith, Edward S. C. Smith, Kirk E. Smith, Lewis J. Snow, Albert E.	Simsbury, Conn. Bailey Island, Me. 41 Brenton Ter., Pittsfield, Mass. 48 Forest St., Springfield, Mass. Brookside Drive, Greenwich, Conn. Sanbornton, N. H. 55 South St., Biddeford, Me.	.0
VI	Slawson, Spencer W	Brookside Drive, Greenwich, Conn.	.5
AEK	Sleeper, Joseph N	Sanbornton, N. H.	
AD	Smith, Edward S. C	55 South St., Biddeford, Me 300 Park St., West Springfield, Mass 7 Cedar St., Norwich, Conn	. 5
00	Smith, Kirk E	300 Park St., West Springfield, Mass	. 5
OO VT EK	Smith, Lewis J	Orleans Mass	.5
JF	Snow, Albert E. Snow, Albert E. Snow, David F. Snow, Harold C. Somerville, Paul S.	Orleans, Mass 30 Carry Ave., Chelsea, Mass	1.0
AAX	Snow, David F	15 Lincoln St., Arlington, Mass	.5
LGA.	Snow, Harold C	41 Paradise Rd., Swampscott, Mass.	.5
BJ	Somerville, Paul S	32 Cliff St., St. Johnsbury, Vt	.5
AEU VN	Soney, Henry C. Southworth, Arthur P. Southworth, Palmer H. Sparrow, Edward	15 Lincoln St., Arlington, Mass.  11 Paradise Rd., Swampscott, Mass.  22 Cliff St., St. Johnsbury, Vt.  11 Poindexter St., Lynn, Mass.  122 Chestnut St., Wakefield, Mass.  34 Montowese St., Hartford, Conn.  Southboro, Mass.	.5
AEU	Southworth, Arthur P	122 Unestnut St., Wakeneld, Mass	.5
TE	Sparrow Edward	Southboro Mass	.5
LA	Spear, G. Dana	32 Common St., Walpole, Mass	1.0
ATQ AST	Sparrow, Edward Spear, G. Dana. Spencer, Bonifield M Spencer, Walter B. Spinney, Charles E. Stacy, Frank A. Stackhouse, Walter T. Stackpole, Leroy E. Stackpole, Nelson B. Stagg Uberto K	Southboro, Mass.  32 Common St., Walpole, Mass.  17 Maple St., Attleboro, Mass.  41 Pleasant St., West Hartford, Conn.  24 Winter St., Sanford, Me.	5.0
AST	Spencer, Walter B	41 Pleasant St., West Hartford, Conn	.5
FG	Spinney, Charles E	24 Winter St., Sanford, Me.	. 5
EMF	Stacy, Frank A	7 Dodge Court, Danvers, Mass.	.5
OW AA	Stackhouse, Walter T	7 Dodge Court, Danvers, Mass. 86 Crescent Ave., Revere, Mass. 53 River St., Sanford, Me. 725 Mineral Spring Ave., Pawtucket, R. I. Noroton Heights, Conn.	.5
TI	Stackpole, Deloy E	725 Mineral Spring Ave Powtucket R T	.5
TUVR	Stagg, Uberto K	Noroton Heights, Conn	.0
WP	Stallworth, Henry H	50 Liberty St., Hartford, Conn	.5
GZ IB	Stansfield, Arthur C	17 Montgomery St., Lawrence, Mass	.5
IB	Stanyan, Starr W	50 Liberty St., Hartford, Conn 17 Montgomery St., Lawrence, Mass. 76 Boston Ave., West Medford, Mass 145 Matfield St., East Bridgewater, Mass	. 5
LU TQ	Staples, Lloyd E	145 Matfield St., East Bridgewater, Mass	
NM	Stallworth, Henry H Stansfield, Arthur C Stanyan, Starr W Staples, Lloyd E Stark, William H Starkweather, John B Steadman, Robert C Steele, Maitland	258 IVes St., Providence, R. I.	.5
NM VS	Steadman, Robert C	31 Park Rd. Brockton Mass	.5
DL	Steele, Maitland	1202 Park St., West Hartford, Conn	.5 .5 .5
RW	Steeves, Arthur	145 Matheid St., East Bridgewater, Mass. 258 Ives St., Providence, R. I. 17 Gibson Rd., Newtonville, Mass. 31 Park Rd., Brockton, Mass. 1202 Park St., West Hartford, Conn 260 Brighton Ave., Boston, Mass. 28 Paine St., Springvale, Me. 21 Coral St., Lowell, Mass. 19 Lincoln St., Stoneham, Mass. 30 Worcester St., Framingham Center, Mass. 394 Riverway. Boston. Mass.	.5
BH	Sterling, George E	28 Paine St., Springvale, Me	- 5
LN	Sterling, Roy	21 Coral St., Lowell, Mass.	.5
ABR	Stevens, Charles L	19 Lincoln St., Stoneham, Mass.	.5 .5
IFY	Stevens, Charles R	30 Worcester St., Framingham Center, Mass	.5
AAD	Classes T assis TV		
CA TK	Steeves, Arthur. Sterling, George E. Sterling, Roy. Stevens, Charles L. Stevens, Charles R. Stevens, Louse R. Stevens, Louse R. Stevens, Louse R. Stimson, Robert C. Stiness, Samuel.	394 Riverway, Boston, Mass. New London, N. H. 260 Broad St., Central Falls, R. I.	.5

#### FIRST DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
Line Co.			Kw.
1KL	Stocker, Clarence I Stolba, Nestor W. Stone, Clayton P. Stone, Perry. Stoughton, Edgecombe. Strang, Paul S. and Olin T.	65 N. Franklin St., Lynn, Mass  182 Lakeview Ave., Cambridge, Mass  14 Portland St., St. Johnsbury, Vt  15 West St., New London, Conn  198 Ocean Ave., Portland, Me  58 N. Beacon St., Allston, Mass  215 Federal St., Greenfield, Mass  151 S. Elm St., Waterbury, Conn  Townsend, Mass  12 Main St., St. Johnsbury, Vt  1 Bennett St., Sanford, Me  219 Florida St., Springfield, Mass	0.8
1GY	Stolba, Nestor W	182 Lakeview Ave., Cambridge, Mass	
1BL	Stone, Clayton P	14 Portland St., St. Johnsbury, Vt	
1AES	Stone, Perry	15 West St., New London, Conn	
1ANS	Stoughton, Edgecombe	198 Ocean Ave., Portland, Me	
IEI	Strang, Paul S. and Olin T.	58 N. Beacon St., Allston, Mass	
1PL	Stratton, Rolland A Straub, Alphonse B	215 Federal St., Greenheld, Mass	
1EMN	Straub, Alphonse B	151 S. Elm St., Waterbury, Conn	
10Q 1BG	Struthers, Francis W Stuart, Hamilton C	10 Main St. St. Johnsbury, Vt.	
1AC	I Stubbe Edward T	1 Rannatt St. Sanford Ma	
IJН	Sturfeyant Windsor	219 Florida St. Springfield Mass	
IHD	Sturfeyant, Windsor Sullivan, John F	12 Main St., St. Johnsoury, Vt. 13 Bennett St., Sanford, Me. 219 Florida St., Springfield, Mass. 485 E. 6th St., South Boston, Mass. 434 Massachusetts Ave., Arlington, Mass. 29 Foster St., Fall River, Mass. 42 Dix St., Dorchester, Mass. 6 First South St., Bar Harbor, Me. 381 Main St., Everett, Mass. 8 High St., Rockport, Mass. Northbridge, Mass. Northbridge, Mass. 788 Hope St., Providence, R. I. 55 Bromfield St., Wollaston, Mass. 30 S. Main St., Attleboro, Mass. Kennebunk, Me. 62 Tremont St., Boston, Mass. 31 Hourston St., Somerville, Mass. 319 South Ave., Whitman, Mass. 7 Belmont St., Pawtucket, R. I. 23 Williams St., New London, Conn. 59 Kenmere Rd., Medford, Mass.	
IASO	Surrette, Albert L	434 Massachusetts Ave., Arlington, Mass	
IASO INF	Sutcliffe, Raymond S	29 Foster St., Fall River, Mass	
1EAN	Swanton, William A Tabbut, Arthur R	42 Dix St., Dorchester, Mass	
1AK	Tabbut, Arthur R	6 First South St., Bar Harbor, Me	
1EIK		381 Main St., Everett, Mass	
10G 10X	Tarr, Gertrude E Tarr, Melville S	8 High St., Rockport, Mass	
10X	Tarr, Melville S	45 Parker St., Chelsea, Mass	
1EAV	Tatreault, Ernest	Northbridge, Mass	
1EIQ	Tatreault, Ernest	788 Hope St., Providence, R. 1	
1EAS		55 Bromfield St., Wollaston, Mass	
1ABE	Taylor, Frederic W. Taylor, George F. Taylor, James W. Taylor, Walter A.	30 S. Main St., Attleboro, Mass	1.
1BZ 1LJ	Taylor, George F	Kennebunk, Me	1.
100	Taylor, James W	2 Thurston St. Somerville Mass.	
10D 1QD	Thorrison Arthur T	212 Walnut St. Lynn Mass	:
1RH	Taylor, Walter A. Therrien, Arthur J. Thompson, James H. Thornley, Howard W. Tilden, Paul L. Travis, Gerald E. Travis, Gerald E.	210 South Ave Whitman Mass	
iul	Thornley Howard W	7 Belmont St. Pawtucket, R. I	
1DQ-	Tilden Paul I.	23 Williams St. New London, Conn.	:
1HB	Travis Gerald E	59 Kenmere Rd., Medford, Mass	
INP	Travis, Gerald E	38 Montebello Rd., Jamaica Plain, Mass	
1GQ		3 Grand St., Reading, Mass	
1EIA	Tohey Harold A	59 Kenmere Rd., Medford, Mass. 38 Montebello Rd., Jamaica Plain, Mass. 3 Grand St., Reading, Mass. 42 Pomeworth St., Stoneham, Mass. 133 Belmont St., Everett, Mass.	
1EIF	Towner, F. Bruce Tucker, Cecil A	133 Belmont St., Everett, Mass	
1TA	Tucker, Cecil A	21 Church St., Lynn, Mass	
1EE	Tucker Elton H	121 Messer St., Providence, R. I.	
ILV	Tufts, J. Warren Tufts Wireless Society. See	21 Church St., Lynn, Mass. 121 Messer St., Providence, R. I. 43 Cornell Ave., West Somerville, Mass.	
	Tufts Wireless Society. See		
	Entwistle, Guy R.	TO Warmen Ct. Tomoice Plain Man	
1MG	Turner, Edwin E	72 Wyman St., Jamaica Flam, Mass	:
1PG 10I	Tyler, Samuel F	72 Wyman St., Jamaica Plain, Mass. 28 Sargent St., Newton, Mass. 8 Ellis Ave., Medford, Mass.	
101	Tyrrell, Alanson B	8 Ellis Ave., Mediord, mass	
1770	Upham, Howard B	20 Mt Rowdoin Ter Boston Mass	
1KO 1BA	Vornum George E	20 Mt. Bowdoin Ter., Boston, Mass	
1KV	Varnum, George E Veeder, Chester F	161 Chelsea St., Charlestown, Mass Gosnold, Mass 7 Center St., Danbury, Conn. 49 Curtis Ter., Pittsfield, Mass. 44 Flynt St., Quincy, Mass. 1 Ocean Ter., Lynn, Mass. Hanover, N. H. Eastham, Mass.	
IVB	Verbyla, Albert E	7 Center St., Danbury, Conn	:
1HX	Vogel, Edward A	49 Curtis Ter., Pittsfield, Mass	
1PF	Vogel, Edward Avon Colln, Gustaf	44 Flynt St., Quincy, Mass	
1PF 1ASV	Vose, Charles H	1 Ocean Ter., Lynn, Mass	
IANW	Wadleigh, Paul F	Hanover, N. H	
1QC	Wadsworth, Arthur G Wadsworth, Philip S	Eastham, Mass	
1BE	Wadsworth, Philip S	Eastnam, Mass.  8 Hanover St., Portland, Me.  69 Dearfield Drive, Greenwich, Conn.  21 Woodbury St., Beverly, Mass.  Kittery, Me.  45 Nixon St., Dorchester, Mass.  53 Winthrop St., Everett, Mass.	
1VE 1KZ	Walker, Alva S	69 Dearfield Drive, Greenwich, Conn	
1KZ	Waldie, Thomas G	21 Woodbury St., Beverly, Mass	
1JW	Walker, J. Frank	Kittery, Me	
1EIB	Walker, Leon F	45 NIXOR St., Dorchester, Mass	
1ATR 1EIT	Walker, William G	Durlington Moss	
TEIT	Walker, Leon F. Walker, William G. Walker, William H. Wallace, Malcolm E.	C Witherhea Ton Marlhore Mass	
1EII 1KC	Wallace Ralph II	1192 Morton St., Dorchester, Mass	
1HP	Wallace William H	30 Hastings St., Cambridge, Mass	
1JM	Walter Elmer H	53 Winthrop St., Everett, Mass. Burlington, Mass. 6 Witherbee Ter., Marlboro, Mass. 1192 Morton St., Dorchester, Mass. 30 Hastings St., Cambridge, Mass. 39 Cleveland St., Melrose, Mass.	
1EIW	Walter, Howard S	Melrose, Mass. (portable station)	
1BW	Walton, Harold F	104 Elm St., Montpelier, Vt	
iTC	Wallace, Malcolm E. Wallace, Ralph H. Walter, Elmer H. Walter, Howard S. Walton, Harold F. Ward, J. Stedman. Ware, Stanley P. Warren, Bertram E.	39 Cleveland St., Melrose, Mass. Melrose, Mass. (portable station) 104 Elm St., Montpelier, Vt. 16 John St., Newport, R. I. 75 Winthrop St., Everett, Mass. 103 Lexington St., Waltham, Mass.	
1IP	Ware, Stanley P	75 Winthrop St., Everett, Mass	
1MU	Warren, Bertram E	103 Lexington St., Waltham, Mass	
-	Warren, Bertram E		
	See, Colson, Helen B.	17 Waverly St., Everett, Mass 12 Russell St., Lewiston, Me 112 2d St., Newport, R. I 12 Hampshire St., Everett, Masss	
1JI	Watson, Paul W	17 Waverly St., Everett, Mass	
		12 Russell St. Lewiston MA	1 .
1FZ 1EB	Weber, John H	12 Italian D., Dewiston, Inc.	

#### FIRST DISTRICT-Continued.

### ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Power.
IEAL ILO ICR IABI IPP IPH IRV INR IVP IABW IAT IEMW IAEW IVAEW IVA	Weeks, Walter R. Weicker, Theodore, jr. Wellington, Ellsworth. Wells, Herbert A. Welsh, Michael J. Werner, Gustave A. F. West, Howard E. Wetherell, Fred L. Whipple, Harold B. Whitcomb, Raymond E. White, Earle B. White, Elmir L., jr. White, I. Davis. White, Thomas C. Whittaker, Laban H. Wickes, Henry W. Wiesemeyer, Max L. A. Wilbur, Harold S. Wiley, James D. Wilson, Walter F. Winant, Alvin C. Wolf, Charles F., jr. Wood, E. Earl. Woodhead, Edward F. Wright I fe H.	47 Pleasant St., Marlboro, Mass 79 Prospect St., Stamford, Conn. Lunda St., Waltham, Mass. 32 Nelson St., Dorchester, Mass. 32 Nelson St., Dorchester, Mass. 32 Crescent Lodge, Melrose, Mass. 33 Hollingsworth St., Lynn, Mass. 36 Chestnut Hill Ave., Brighton, Mass. 37 Perk St., Attleboro, Mass. 172 Park St., Medford, Mass. 12 Gerry St., Stoneham, Mass. Bellast, Me. 61 Shurtleff St., Chelsea, Mass. Peterboro, N. H. 53 Perkins Ave., Malden, Mass. 38 Corona St., Dorchester, Mass. Pleasant St., Winthrop, Mass Stonington, Conn. R. F. D. No. 6, Auburn, Me. 1548 Beacon St., Waban, Mass. 27 Grand St., South Portland, Me West Medway, Mass. 62 Division St., Pittsfield, Mass Camden, Me. 65 Summer St., Lewiston, Me. 154 Classon St. Mess.	555555555555555555555555555555555555555
IBD 1ESN 1RL 1ATE 1ENI 1EMY 1CO 1DG 1P8	Woodhead, Edward F. Wright, Ira H. Wright, Wendell L. Young, Bruce W. Young, Carl F. Young, Frank A.	56 Summer St., Lewiston, Me 12 Closson St., Methuen, Mass 114 Exchange St., Rockland, Mass 23 Forest St., Arlington Heights, Mass 501 Union St., Portsmouth, N. H 525 W. Main St., Meriden, Conn 294 Ashmont St., Dorchester, Mass 543 Stanley St., New Britain, Conn 11 Enfield St., Jamaica Plain, Mass	. 5
1VC 1ENR 1OY	Zanh, Edward G Zander, Joseph T Zarth, William A Zwinge, Conrad J	34 South St., Ansonia, Conn	.5 .5 .5

#### ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
1AA 1AAB 1AAB 1AAC 1AAD 1AAF 1AAG 1AAG 1AAL 1AAL 1AAL	Stackpole, L. E. Not issued. Massey, J. C. Prinz, J. C. Needham, R. W. Baker, W. F. Drew, W. E. Ghen, M. W. Pinnington, W. Gray, A. Custeau, H. G. Fowle, H. L. Burt, J. F. Murray, J. J. McNamara, F. W.	1ABE 1ABF 1ABH 1ABI 1ABJ 1ABK 1ABL 1ABD 1ABP 1ABP 1ABP 1ABQ 1ABR 1ABR	Taylor, F. W. Fitch, C. Graves, A. S. Mooradain, A. P. Wells, H. A. Brockington, H. G. Bent, A. E. Campbell, J. A. Pratt, P. W. Donnelly, G. F. Pope, D. R. Crosby, L. W. Stevens, C. L. Bliss, D. H. Coolikoff, Jack.	1AEH 1AEJ 1AEK 1AEL 1AEM 1AEN 1AEO 1AEP 1AER 1AER	Halligan, W. J. St. John, F. Bradshaw, W. B. Sleeper, J. N. Little, N. C. Johnson, G. W. Rosen, V. E. Redfield, K. A. Hunkins, F. L. Shaw, A. M. Everett Evening School. Stone, P. Holmes, P. B. Southworth, A. P.
1AAO 1AAP 1AAS 1AAS 1AAU 1AAU 1AAW 1AAX 1AAY 1AAZ 1ABA 1ABB 1ABC 1ABD	Cheever, W. G. Stevens, L. W. Butler, J. T. Lewis, W. H. Gould, C. S. Allen, L. H. Donahue, F. J. Carter, G. T. Winant, A. C. Snow, D. F. Etter, E. Bates, R. E. Beattle, R. Not issued. Clark, C. V. Engel, R. B.	1ABU 1ABW 1ABX 1ABY 1ABZ 1AC 1AD 1AE 1AEA 1AEB 1AEC 1AEC 1AEC 1AEC	Hertz, W. F. C. McKinney, R. H. Whitcomb, R. E. Hutchins, A. G., jr. Carr, A. H. White, I. D. Stubbs, E. T. Smith, E. S. C. Dow, H. L. deMars, P. A. Flint, A. W. Not issued. Beebe, W. J. Dickson, W. E. Gilman, S. Cornwell, W. J.	IAEV IAEW IAEX IAEY IAF IAG IAH IAI IAJ IAK IAL IAN IANA IANB	Hayden, K. L. Whittaker, L. H. Mosher, A. E. Cross, L. F. Hart, E. A. Wilbur, H. S. Goularte, M. L. Perry, H. R. Fabbri, A. Tabbut, A. R. Sinnett, C. M. Butler, Guy W. Pratt, R. W. George, E. B. Bacuinka, P. L. Killam, P. S.

#### FIRST DISTRICT—Continued.

#### ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
1AND	Not issued.	1ATV 1ATW	Wood, E. E.	1DQ 1DR	Doughty, J. H. Smith, P. B.
1ANE 1ANF	Lyman, E. W.	IATX	Brogan, A. R. J. Dean, R. L.	iDS	Westmore, R. E.
1 A N G	Godfrey, W.	1ATY 1ATZ	Holcomb, H. A. Mitchell, A. H. Huntington, C.	1DT	Edgerly, A. H., jr.
1ANH	Aldrich, G. E.	1ATZ	Mitchell, A. H.	1DU	Edgerly, A. H., jr. Frost, R. S.
1ANH 1ANI 1ANJ	Erwin, W.C.	1AU 1AV	Richardson, G. D.	1DV	Schwichtenberg, W.A.
IANK	Fay, A. N. Godfrey, W. Aldrich, G. E. Erwin, W. C. Bailey, C. E. Kurth, H. L. R.	1AW	I Ham. E. G.	1DW	Holdick, Wm.
1ANL	Leonard, J. A.	1AX 1AY	Davies, O. E. Hill, E. R. Flint, E. R.	1DX 1DY	Sandreuter, S.
IANM	Senior, W. B.	1AY 1AZ	Hill, E. R.	1DY	Redick, K. T.
1ANK 1ANL 1ANM 1ANN 1ANO	Kurth, H. L. R. Leonard, J. A. Senior, W. B. Holbrook, F. L. Osborne, R. W. Hyde, C. E. Palmouist W.	IAD	Finit, 13. 16.	1DZ	Hammond, G. A.
1ANP 1ANQ	Hyde, C. E.	1BA	Varnum, G. E.	ì	1
1ANQ		1BB 1BC	Lindsay, A. M., jr. Wilson, W. F. Woodhead, E. F.	1EA	Barker, G. D. Gavin, T. H. Parker, W. G. Hardy, R.
1ANR 1ANS	Rice, A. H., jr. Stoughton, E. Buck, R. C.	iBD	Woodhead, E. F.	1EAA	Gavin, T. H.
1ANT	Buck, R. C.	1BE	Wadsworth, P.	1EAB 1EAC 1EAD	Hardy, R.
1ANU 1ANV	Davis, C. D. Reed, P. C.	1BF	Gates, P. H. Stuart, H. C.	1EAD	Courtney, R. D. Beverly High School.
IANV	Reed, P. C.	1BG 1BH	Stuart, H. C.	1EAE	Beverly High School.
1ANX	Railey, W. L.	iBI	Semons, R. W.	1EAF 1EAG	Norwell, J. C. Reeves, C. E.
IANW IANX IANY	Wadleigh, P. F. Bailey, W. L. Hayward, E. E., jr.	1BJ	Somerville, P. S.	IEAH	Berry, G. D.
1ANZ	O'Hara, J. F. Pickles, J. A.	1BK 1BL	Stuart, H. C. Sterling, G. E. Semons, R. W. Somerville, P. S. Morse, W. J. Stone, C. P. Lomnitzer, F. W. Shaw, R. H. Reed, S. A. Mills, B. M.	1EAH 1EAI 1EAJ	Berry, G. D. Abels, C. A. Brassill, J. J.
1AO 1AP	Downing R E	1BM	Lomnitzer, F. W.	1EAJ	Brassill, J. J.
1ÂQ	Claffin, H. M.	1BN	Shaw, R. H.	1EAK 1EAL	Blake, W. F. Weeks, W. R.
1AQ 1AR	Downing, R. E. Claffin, H. M. Couri, A. N.	1BO 1BP	Reed, S. A.	1EAM	Remington, F. H.
1AS <b>1ASA</b>		180	Mills, B. M. Hackett, H. S.	1EAN 1EAO 1EAP	Remington, F. H. Swanton, W. A.
IASB	Kenison, A. C. Huston, R. D. McKay, J. S. R. Dallin, E. B.	1BQ 1BR	Hackett, H. S. Robinson, B. C.	1EAU	La Marche, H. E. Bowers, M. A.
1ASB 1ASC	McKay, J. S. R.	1BT	Cusack, Hoyt, L. P.	I LEAQ	Downes, G. H.
1ASD 1ASE	Dallin, E. B.	1BU 1BW	Walton, H. F.	II 1EAR	Jacques, A. E.
IASF	Poor, S. Jordan, R.	1BX 1BY	Walton, H. F. Howe, R. F. Parker, L. F.	1EAS	Taylor, D. F.
1ASG	Jordan, R. Scher, H. C.	1BY	Parker, L. F.	1EAS 1EAT 1EAU	Jacques, A. E. Taylor, D. F. Feeney, P. F. Bowers, W. K.
1ASH 1ASI	Lyman, R. P.	1BZ	Taylor, G. F.	leav	Tatreauit, E.
1ASI	Merrow, E. W. Harris, N.	1CA 1CB 1CC 1CD	Stimson, R. C. Southwick, H. F.	1EAW	I Marshall, R. E.
1ASK	Coggins, P. P. Davis, E. W. Koetter, M. W.	1CB	Southwick, H. F.	1EAX 1EAY	Maurer, F. T.
1ASL 1ASM	Davis, E. W.	1CD	Robert, F. Hitchcock, W. H.	1EAY 1EAZ	McCarthy, G. E. Furrier, J. P.
IASN	Arlington High	H ICE	Dole A M	1EB	Watson, W. F., ir.
	School	ICG ICH ICI	Godfray, C. T. Gordon, E. P. Gray, W. D.	1EC 1ED	Cosgrove, F. J. Hardy, R. C. Waite, L. A.
1A80 1A8P	Surrette, A. L. Watertown High School.	ich	Grav. W. D.	iee	Waite, L. A.
	School.	1CJ	HILLSON, R. E.	1EF	Bixby, H. O. Williams, W. L. Bloom, P. H.
1ASQ 1ASR	Quinn, A. C. Ludgate, R. V. Spencer, W. B. Brown, I. M. Vose, C. H.	1CK	LOnens C.E.	1EG 1EH	Rloom P H
IASR	Ludgate, R. V.	ICL ICM ICN	Webster, F. D. McLane, H. R. Brown, T. S. Young, S. B.	iEI	Strang, P. S.
1AST 1ASU	Brown, I. M.	icn	Brown, T. S.	1EIA	TODEV. H. A.
1ASV	Vose, C. H.	1CO	Young, S. B.	1EIB 1EIC	Walker, L. F. Chesbro, E. L.
1ASW		1CP	Reynolds, W. W.	iEID	Anderson, J. D.
1ASX 1ASY	Sisson, H. D., jr. Davis, H. W. Hendrick, E. A. White, E. B.	1CQ 1CR	Reed, C. C. Wellington, E.	1EIE	Leidel, R. J.
1ASZ 1AT	Hendrick, E. A.	1CS	Weilington, E. Furlong, J. Collins, G	1EIF	Towner, F. B.
1AT	White, E. B.	1CU 1CW	Manchester E E	1EIG 1EIH	Sacs, J. G. Heffernan, E. J.
1ATA 1ATB	Winte, B. B. B. Kempton, R. J. Dunham, C. S. Pinkham, E. C. Ryan, J. F. Young, B. W. Farguson, A. W.	1CW 1CX 1CY	McIntosh, H. W.	1EII	Henerman, E. J. Wallace, M. E. Knight, W. W. Tarment, R. E. Loheed, W. J., jr. Lewis, K. P. Eaton, L. F. Fetobrooks B. W.
1ATC 1ATD 1ATE	Pinkham, E. C.	1CY	Kelly, L. E.	1E <b>IJ</b>	Knight, W. W.
1ATD	Ryan, J. F.	1CZ	Bean, H. W.	1EIK 1EIL	Lobert W. I. in
1ATE	Farguson A W	1DA	Johnson, A. A.	iEIM	Lewis, K. P.
1 A T G	Carleton, F. J.	1DB	Peterson, H. C. W.	1EIN	Eaton, L. F.
1ATH	Hunt, A. W.	1DC	Sheehan, W. J.	1EIO	Libraritones, it. IV.
1ATH 1ATI 1ATJ	Ferguson, A. W. Carleton, F. J. Hunt, A. W. Drake, N. L. Black, O. M. Dieter, D. C.	1DD 1DE	Johnson, A. A. Peterson, H. C. W. Sheehan, W. J. Robillard, P. Cowles, W. Kelsey, P. C. Yuon, R. C. Cook, L. W. Rhodes, C. A.	1EIP 1EIQ	Hudder, P. B. Taylor, A. C.
1 A TT	Dieter, D. C.	1DF	Kelsey, P. C.	1EIR 1EIS	Taylor, A. C. Knight, H. C. Newton Technical
. 1ATL	Peterson, R. M.	1DG 1DH	Yuon, R.C.	1EIS	Newton Technical
1ATM 1ATN	Meynell, L. C.	1DH 1DI	Rhodes, C. A.	1EIT	School. Walker, W. H.
1 4 4 7 ( )	Peterson, R. M. Meynell, L. C. Potter, R. G. Davis, E. E.	1DJ	Rhodes, C. A. Cole, G. E.	1EIU	Murphy, C. F. Lawyer, L. A. Walter, H. S. Man, E. H.
1ATP	Hatfield, S. J.	1DK	Anderson, n.	1EIV 1EIW	Lawyer, L. A.
1ATQ 1ATR	Spencer, B. M.	1DL 1D <b>M</b>	Steele, M. Dewey, K. C.	1EIX	Man E H
1ATS	Hatfield, S. J. Spencer, B. M. Walker, W. G. Macurdy, E. H. Kraus, W. L. Doyle, W. J.	1DN	Balcom, L. Cook, W. T.	1EIY	Loomis, G.
1ATT	Kraus, W. L.	1D0	Cook, W. T.	1EIZ	Donovan, A. B.
1ATU	l Doyle, W. J.	1DP	Himes, N. E.	ll 1EJ	Robinson, P. F.

### FIRST DISTRICT—Continued.

#### ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
1EK	Snow A E	1ESO	Howard F W	1HE	Lynde, K. R.
1EL	Snow, A. E.	1ESP	Bradshaw N V	1HF	Gardner C R
1EM	Rosenbloom, W. Hiorns, K. E.	1ESQ	Howard, F. W. Bradshaw, N. V. Hasbrouck, L.	1HG	Gardner, C. R. Jarret, L. F.
1EMA	Bauer, P. S.	1ESR	Leonard, T.	1HH	Bushee, W. H.
1EMB	Lovejoy, J.	1ESS		1HI	
1EMC	Lovejoy, J. Bloom, H.	1EST	Hick, H. R. Eaton, R. E. Fenno, S. W. Ashland, H. B. Dodge, W. E. A. Meader, R. B. Dodge, J. B. Seibert, L. G. Almquist, F. A. Phelan L. T.	1HJ	Johnson, E. C. 2d. Sayward, L. W. Sargent, F. G.
1EMD	De Lano, R. B. Morrison, R. D.	1ESU	Fenno, S. W.	1HK	Sayward, L. W.
1EME	Morrison, R. D.	1ESV	Ashland, H. B.	1HL	Sargent, F. G.
1EMF	Stacy, F. A. Polleys, W. V., jr. Copeland, S. W.	1ESW	Dodge, W. E. A.	1HM	Hammett, H. M.
1EMG	Conclord S W.	1ESX 1ET	Dodge I P	1HN 1HO	Anderson, D. H.
1EMH 1EMI	Baker, J. S.	1EU	Seibert L. G	1HP	Wallace W H
1EMJ	De Lancey, C. P.	iEV	Almquist F A	1HQ	Eberlein G H
IEMK	Dock, L.	1EW	Phelan, L. T.	1HR	Elliott, T. H., ir.
1EML		1EX	Phelan, L. T. Keyes, P. E.	1HS	Bergmann, M. P. Wallace, W. H. Eberlein, G. H. Elliott, T. H., jr. Reese, L. A.
1EMN	Straub, A. B.	1EY	Marcroft, W.	1HT	Oliver, H. E. Karl, H. J.
1EMO	Ireland, W. E.	1EZ	Medberry, C. H.	1HU	Karl, H. J.
1EMP	Petrie, A. L.	477.4	a 11 a B	1HV	Chutter, G. A.
1EMQ	Heidel, E. O.	1FA	Gould, C. D.	1HW	Munro, H. W. T.
1EMR	Straub, A. B. Ireland, W. E. Petrie, A. L. Heidel, E. O. Poole, W. H. Poole, W. H. (for	1FB 1FC	Saunders, F.	1HX 1HY	Chutter, G. A. Munro, H. W. T. Vogel, E. A. Bennett I. S
1EMS	Poole, W. H. (for	1FD	Baker, C. H. Crie, O. H.	1HZ	Bennett, L. S. Duncan, H. E.
1EMT	Durfee, H. Hoopes, T. T. Rogers, H. A. Dean, J. M.	1FE	Robinson, L. B.		- directing II. II.
1EMU	Rogers H A	1FF	Lowell, P. E.	1IA	Richmond, H. B.
IEMV	Dean, J. M.	1FG	Lowell, P. E. Spinney, C. E.	1IB	Stanvan, S. W.
1EMW		1FH	Ham, M. F.	1IC	Keller, A. C.
1EMX	Wiesemeyer, M. Young, F. A. Fortier, M. R. L. Pierce, F. H.	1FI	Ham, M. F. Bernier, W. J. Meggison, W. P. Hatch, R. J.	1ID	Keller, A. C. Eddy, J. C. Payton, R.
1EMY	Young, F. A.	1FJ	Meggison, W. P.	1IE	Payton, R.
1EMZ	Fortier, M. R. L.	1FK	Hatch, R. J.	1IF	Leighton, H. W.
1EN	Pierce, F. H.	1FL 1FM	Larrabee, C. W.	1IG	Patten, E. L. O. Fuller, C. C.
IENA	Martin, P. S.	1FN	Meggison, F. L. Knowlton, D. W.	1IH 1II	Innings W F
1ENB 1ENC	Johnson, G. E. Hanks, R. C.	1FO		1IJ	Jennings, W. F., jr Fassitt, A. J., jr. Ray, C. H.
IEND	McElroy G A	1FP	Davis, F. R. Coombs, G. T. Leavitt, V. A. Nichols, J. S. Nash, W. A. Ackley, E. P.	iIK	Ray C. H
IENE	McElroy, G. A. Cosman, H. E.	1FQ	Leavitt, V. A.	1IL	Pierce, R.
IENE IENF	Barth, N. E.	1FR	Nichols, J. S.	1TM	Saugus High School
IENG IENH	Kennedy, J. A., jr.	1FS	Nash, W. A.	1IN	Schwartz, W. P.
1ENH	Grenier, L. J.	1FT	Ackley, E. P.	1IO	Mosher, C. E.
IENI -	Kennedy, J. A., jr. Grenier, L. J. Young, C. F.	1FU	1410101011, 0. 11.	1TP	Schwartz, W. P. Mosher, C. E. Ware, S. P.
IENJ	Ludington, H. A. American Radio As-	1FV	Hill, H. F.	1IQ 1IR	Bishop, D. S.
IENK		1FW	Holton, A. M.	1IR 1IS	Briggs C. W.
IENL	Soc. Piercon G B	1FW 1FX 1FY	Stevens G R	1IT	Hahn P F
IENM	Pierson, G. B. Ehler, I. H. Gould, R. W. B.	1FZ	Holton, A. M. Griffin, S. A. Stevens, G. R. Weber, J. H., jr.	iTU	Bishop, D. S. Butterfield, G. W. Briggs, S. M. Hahn, P. F. Krueger, W. H.
IENN	Gould, R. W. B.		,	1IV	Buerman, I.
IENO		1GA	Snow, H. C.	1IW	Beckvold, M. P.
IENP IENQ IENR	Kollen, H. T.	1GB	Jaques, L. A. Chadwick, G. L.	1IX 1IY	Ohlson, O. Baxter, H. M.
IENQ	Berger, S.	1GC	Chadwick, G. L.	1IY	Baxter, H. M.
LENR	Kollen, H. T. Berger, S. Zarth, W. A. Johnson, G. W.	1GD	Lane, F. A.	1IZ	St. James, R. T.
IENS IENT	Brothers C W	1GE 1GF	Reynolds, W. B. Wolf, C. F., jr. Shirt, A. G.	1114	Loothong T Tr
ENII	Brothers, G. W.	1GG	Shirt, A. G.	1JA 1JB	Leathers, J. W. Hovenden, H. C.
IENU IENV	Barney, G. C. Root, E. L.	1GH	Nickerson, A. B.	1JC	Parker, J. A.
IENW IENX	Hicks, G. B. Gray, R. C.	1GI	Nickerson, A. B. Higgins, C. H.	1JD	Parker, J. A. Collins, L.
IENX	Gray, R. C.	1GJ	Bradbury, L. E. Lang, S. W.	1JE	Bushway, G. F. Snow, A. E. Pratt, F.
IENY	Flaherty, H. J. Edison, G. H.	1GK	Lang, S. W.	1JF	Snow, A. E.
IENZ	Edison, G. H.	1GL	Howe, B. L.	1JG	Pratt, F.
IEO IEP	Blanchard, C. T. Crocker, E. P.	1GM 1GN	Haffcke, P. M.	1JH	Martin, E. C. Watson, P. W. Tufts Wireless
IEQ.	Farnim W H	1GO	Palmer, C. A. Morton, S.	1JI 1JJ	Tuffe Windless
IER	Farnum, W. H. McCurdy, B. H.	1GP	Marsh A A	133	Tufts Wireless ciety.
IES	Armstrong, L. W.	1GQ	Thompson, J. E.	1JK	
IESA	Armstrong, L. W. Gowell, B. W. Byron, M.	1GR	Thompson, J. E. Robinson, H. S.	1JL	Batchelder, H. M. Ayres, R. T. Walter, E. H.
IESB	Byron, M.	1GS	McManon, E. C.	1JM	Walter, E. H.
IESC		1GT	Cummings, F. H.	1JN	Billotte, L. C.
IESD	Lyman, C. F., jr.	1GU	Raumann, H.	110	Campbell, J. S.
IESE	O'Nelli, J. D.	1GV 1GW	Bilon T. D.	1JP	Parkhurst, R. W.
IESF IESG	Lyman, C. F., jr. O'Neill, J. D. Feeney, E. O. Hampton, W. G.	1G W	Raumann, H. Gavill, W. W. Riley, J. D. French, W. B. Stolba, N. W.	1JQ 1JR	Allen, G. H. Harding, D. W. Powers, L. S.
ESH	Lessard, W.	1GX	Stolba N W	1JR 1JS	Powers T. Q
ESI	Phelan. H.	1GZ	Stansfield, A. C.	1JT	Farmer, E.
IESJ	Phelan, H. Morrill, D. H.	200		1JU	Cook, G. C.
IESK	Dibbins, S. A.	1HA	Blanchard, R. C.	1JV	Chisholm, G. C.
IESL	Morris, J.	1HB	Travis, G. E.	1JW	Chisholm, G. C. Walker, J. F. Rinaldi, H. L.
ESM	Brennan, E. G.	1HC	Cheetham, H. R.	1JX	

#### FIRST DISTRICT—Continued.

#### ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
1KA	Jepson, W. F.	1MU	Warren, B. E.	1PP	Welch, M. J.
1KB	Edwards, R. E.	1MV		1PQ 1PR	Welch, M. J. Allen, P. R.
1KC	Edwards, R. E. Wallace, R. H.	1MW	Lynn, H. W. Calley, E. W. Fales, M. A. L. Clark, L. J.	IPK	Golder, J.
1KD 1KE	David, H. E. Blackie, N. E.	1MX 1MY	Calley, E. W.	1PS 1PT	Zahn, E. G.
ikf	Pennynacker T. R.	1MZ	Clark L. I	iPV	Clayton, H. C.
ikg	Pennypacker, T. R. Allen, F.			īPW	Folsom, R. A. Crosby, C. R.
1KH	Lally, C. A. Loring, W. B. Blake, S. S. Pettey, R. A.	1NA	Andonegui, L. Blanchard, R. N. Ekwall, G. O.	1PX 1PY	Murphy, H. J.
1KI	Loring, W. B.	INB INC IND	Blanchard, R. N.	1PY	Murphy, H. J. Pulley, L. A.
1KJ	Blake, S. S.	INC	Ekwall, G. O.	1PZ	Ranlett, F. J., jr.
1KK	Stocker C T	IND	Maria, D. G.	10B	Soundam C P
1KL 1KM	Stocker, C. I. Schleehauf, W. W.	INE INF	Coleman, B. B. B.	1QB 1QC	Saunders, G. B. Wadsworth, A. G.
ikn	Plaisted, F. H. Upham, H. B. Fuller, P. D.	ing	Sutcliffe, R. S. Marshall, T. S.	IQD IQE IQF	Therrien, A. J.
iko	Upham, H. B.	1NH	i Hilliard, D. S.	1QE	Chace, M. D.
1KP	Fuller, P. D.	INI INJ	Folin, G. G.	1QF	Therrien, A. J. Chace, M. D. Nash, P. F.
1KQ 1KR	Armstrong, J. B.	1NJ	Folin, G. G. Greeley, F. B. Kohl, W. C.	1QG 1QH	Lumester, E. C.
1KR 1K8	Anderson, A. R. Boy Scouts of Amer-	1NK	Curtie 8 ir	10.1	Melvin, A. W.
IKD	ica. Troop I.	1NL 1NM	Curtis, S., jr. Starkweather, J. B.	iok	Black, W. R.
1KT	Fruch , F. G.	1NN	Ingalls, G. A.	1QL	Noyes, R.
1KU	ica, Troop I. Fruch , F. G. Lamb , C. M.	INO INP	Ingalls, G. A. Davis, O. F.	1QJ 1QK 1QL 1QN 1QO 1QO	Noble, L. C. Black, W. R. Noyes, R. Bowditch, F. C., jr.
1KV 1KW	I Veetler. U. F.	1NP	Travis, G. E.	100	
1K.W	Beering, H. A. Holt, C. G.	INQ INR	Getchell, M. D. Wetherell, F. L.	100	Kilton, J. A., jr. McGrath, J. L. Clark, W. C. Croft, T. C.
iky	Hallett, C. E. Waldie, T. G.	INS	Hyde, I. B.	100 108 108	Clark, W. C.
ikż	Waldie, T. G.	int	Lynch, J. P.	1Q8	Croft, T. C.
		l inu	Lynch, J. P. Campbell, H. G.	1QT 1QU	I HOVAV. A. T.
1LA	Spear, G. D. Blume, C. T.	INV	Campbell, Miss M. L.	100	Shorus, J.
1LB 1LC	Mass. Int. of Tech.	INW	McDermott, J. H. Brown, W. C.	iŏx	Shortis, J. White, T. C. Booth, J. D.
iLĎ	Isherwood, W. L. Harvard Wireless	INX INY	Brown, W. C. Lovis, D. B. Knight, G. W.	10W 10X 10Y	Hunt, A. M. Danehy, E. J.
ILE	l Chib	INZ	1	1QZ	
1LF	Barrett, B. L. Ballon, W. H. Burke, H. M.	10A	Anthony, R. L. O'Brine, D. J.	1RA 1RB	Hood, R. S.
1LG	Ballon, W. H.	10B	Henry H M	iRC	Brackett, W. F. Chase, F. H.
1LH 1LI	Dwight, H. W. Taylor, J. W. Haskins, F. C. Justice, F. C. Scott, K. G.	10C 10D	Henry, H. M. Taylor, W. A. Hamilton, C. F.	IRD	Ericson, A. E.
īIJ	Taylor, J. W.	IOE	Hamilton, C. F.	1RE	MacLeod. C. M.
iLi iLK	Haskins, F. C.	10E 10F	Eldredge, C. R. Tarr, Miss G. E.	1RF	Pennypacker, T. R. Buffinton, W. H.
1LL 1LM	Scott K G	18G 18H	Flanders, F. F.	1RG 1RH	Thompson, J. H.
iln	Sterling Rov.	ior	Tyrell, A. B.	IRI	Gawler, H. C.
īLò	Weicker, T., jr.	10J 10K	Tyrell, A. B. Beecher, G. E. Hill, H. F.	1RJ	Bailey, W. M.
11.12	Sterling, Roy. Weicker, T., jr. Hitchcock, R. Bennett, W. F., jr.	10K	Hill, H. F.	1RK 1RL	Thompson, J. H. Gawler, H. C. Bailey, W. M. Prescott, E. M. Wright, W. A.
ILQ ILR	Brigham, E. R.	10L 10 <b>M</b>	Whitmore, J. W. Payson, G. R., jr.	1RM	Clements, W. B.
ils	Runey, L. C.	ion	Cosgrove, R. D.	irn	Ege, J. F.
1LT	Runey, L. C. Scott, R. A.	100	Cosgrove, R. D. Smith, K. E. Baldwin, P. K.	1RO	Ege, J. F. Fernald, W. A.
ilu ilv	Staples, L. E. Tufts, J. W.	10P	Baldwin, P. K.	1RP	Duchemin, A. W.
1LV	Miller, R. A.	10Q 10R	Struthers, F. W. Brown, R. B.	1RQ 1RR	Sistare, D. B. Rusk, I. M.
1LW	McMahon, W. G.	ios	Copland, H. D.	1R8	Buzzelle, A. R.
1LX 1LY	Daykin, L. H.	ior	Copland, H. D. Appelin, G. W. Cote, A. E.	1RT	Buzzelle, A. R. Baskin, Israel.
1LZ	Daykin, L. H. Knight, M.	10U	Cote, A. E.	1RU	Norcross, W.
1364		10V 10W	Anderson, A. E.	1RV 1RW	West, H. E. Steeves, A.
1MA 1MB	Irwin, S. W. Boudette, C. M.	108	Stackhouse, W. T. Tarr, M. S.	iRX	Shorev. G. F.
iMC	Murray, A. F.	10X 10Y	Zwinge, C. J. Doe, C. S.	1RX 1RY	Shorey, G. F. Newcomb, R. D. Gallagher, E. J.
1MD	Caswell, C. T.	10Z	Doe, C. S.	1RZ	Gallagher, E. J.
1ME	Angell, O. P.	170 4	Coeling D B	18A	Mercer, W. R.
1MF 1MG	Turner, E. E.	1PA 1PB	Corliss, R. B. Hoeffner, F. A.	isB	Corcoran, T. A. Lipson, E. Oliver, H. W.
iMH	Eaton, H. W.	1 PC	Palmer, R. S.	18C	Lipson, É.
1MI	Boudette, C. M. Murray, A. F. Caswell, C. T. Angell, O. P. Entwistle, W. R. Turner, E. E. Eaton, H. W. Kelly, R. P. Judkins, N. B. Johnson, T. A. Lyon, W. H. Wood, M. E. Hodgdon, M. L.	iPD iPE iPF	Palmer, R. S. Folsom, O. E.	18D	Oliver, H. W.
1MJ	Juakins, N. B.	IPE	Hardy, J. yon Colln, G.	18E 18F	Phillips, H. D. Garrett, J. D.
1MK 1ML	Lyon W. H.	iPG	I Tyler S. F.	isg	Nickerson, E. W.
imm	Wood, M. E.	1PH	Werner, G. A. F. Knight, M. E. Pratt, W. L.	18H	Parmelee, A. O. Alger, J. W. Lynch, S. W.
1MN	Hodgdon, M. L.	1PI	Knight, M. E.	18I	Alger, J. W.
1MO	Ustrander, F. K., jr.	1PJ 1PK	Eastman, D. L.	18J 18K	(100°   , P
1MP 1MQ	Ostrander, F. K., jr. Pursell, C. V. Sherman, J. E.	iPL	Stratton, R. A.	18L	Bearse, E. W.
1MR	Leonard, r. D.	1PM	Hartwell, E. G. Pettipas, W. P. Reed, L. S.	18 <b>M</b>	Bearse, E. W. Sias, C. W. Colton, R. H. Cash, W. H.
1M8	Rowall K. B.	1PN	Pettipas, W. P.	18N 180	Coston, R. H.
1MT	Mathewson, O. W.	1PO	1 Keed, L. S.	Leo	oasn, w.n.

#### FIRST DISTRICT-Continued.

#### ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
18P	Lisker, W.	1UA	Guilmette, E. J.	1VL	Belknap, E. L.
isq	Morrison, H. R.	iŭB	Pease, R. M.	ivm	VanAllen, E. J.
isk	Gray, H. L.	liŭč	Mellor, J. W.	ivn	Southworth, P. H.
iss	Gawler, L. M.	liŭĎ	Gates, H. S.	ivô	Haskell, S. D.
išŤ	Reynolds, J. L.	iŭĔ	Jette, G. E.	iŸP	Whipple, H. B.
išŪ	O'Brien, D. W.	iŭf	Caldwell, R. P.	îvr	Stagg, U. K.
išv	Burton, H. R.	iŭĥ	Lear, G. F.	ivs	Steadman, R. C.
isw	Hersey, R. H.	iŭi	Thornley, H. W.	ivī	Hill, W. J.
išx	Boy Scouts of Amer-	ĬŬĴ	Frost, E. W.	ĪVŪ	Morse, H. J.
	ica, Troop 2.	iuk	Capillon, E. A.	l 1VV	Lewis, G. B.
18Y	Hathaway, S. D.	1UL	Allen, E. B.	1VW	Delage, G. C.
18Z	Reid, R. A.	1UM	Flint, C. O.	1VY	Park, F. E., jr.
	· 1	1UN	Peckham, J. W.	1VZ	Becker, C. W.
1TA	Tucker, C. A.	1U0	Doyle, J. B.		1
1TB	Mulvihill, F. A.	1UP	Classical High School,	1WA	Bueb, <b>J. J., jr.</b>
1TC	Ward, J. S.		Prov.	1WB	Philbrook, R. G.
1TD	Wilbur, A. E.	1UR	Briggs, S. M.	1WC	Coleman, W. F.
1TE	Sparrow, E. G.	1U8	Achin, H., jr.	1WE	Baldwin, J. P.
1TF	Allinson, G. T.	1UT	Marcroft, J.	1WF	Lefave, S. J. Clark, B. J.
1TG	Manchester, A. W.	1UW	Rowe, A. E.	1WG	Clark, B. J.
1TH	Manuel, L.	1UX	Hull, E. B.	1WI	Grant, A. A.
1TI	Horgan, F. T.	1UY 1UZ	Merritt, H. E.	1WJ 1WK	Barrett, J. H.
1TJ 1TK	Fitch, C.	102	Learned, A. A.	1WN	Palmer, R. C.
1TL	Stiness, S. G. Flint, C. O.	1VA	Wickes, H. W.	iwo	Neuhaus, T. F. Simkin, C.
iŤŇ	Mahoney, C. J.	ivB	Verbyla, A. E.	iwp	Stallworth, H. H.
ito	Newton, R. C.	ivč	Zander, J. T.	iwQ	Conner, J. A.
iTP	Jensen, L. C.	ivo	McMahon, J. F.	iwĸ	Lane, C. C.
ÎTQ.	Stark, W. H.	îve	Walker, A. S.	iws	Hitchcock, H. A.
	Clarkson, C. M.	ivř	Mayer, A. W.	iwr	Salzgeber, J. W.
ĨŤŤ	Soney, H. C.	ivo	Dow, J. A.	iwū	Loomis, H. C.
ĪŤŪ	Stackpole, N. B.	ĪŸĦ	Bollerer, A. V.	1WV	Blanke, D. C.
1TW	Fogg, G. F.	1VI	Slawson, S. W.	1WW	Bailey, P. A.
1TX	Brown, L.	1VJ	Frank, L. G.	1WX	Powell, Cecil.
1TX 1TY	Champlin, A. R.	1VK	Lynn English, High	1WY	Hoggson, W.
1TZ	McHenry, A. T.		School.		
		J	]	l	j

#### SECOND DISTRICT.

[Headquarters: Customhouse, New York, N. Y. The second district comprises the States of New York (county of New York, Staten Island, Long Island, and the counties on the Hudson River to and including Schenectady, Albany, and Rensselaer) and New Jersey (counties of Bergen, Passaic, Essex, Union, Middlesox, Monmouth, Hudson, and Ocean).]

#### ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
2AEF	Abrams, Milton F., jr	386 Scranton Ave., Lynbrook, N. Y	0.5
2AMA	Ackerman, Rudolph W		1.0
2ANL 2BT	Adams, Chester B	1048 Julia St., Elizabeth, N. J.	
2AA	Adams, Everett L	22 Stockton St. Bloomfield N. J.	
2TQ	Adams, E. William, jr	392 Franklin St. Bloomfield, N. J.	.5
2AOF	Adams, John D	172 6th Ave., North Troy, N. Y	
2AAY	Adickes, Ernest D	173 W. Ridgewood Ave., Ridgewood, N. J	1.0
2AMV	Adolph, Herbert	1167 Clay Ave., New York, N. Y	
2VQ	Agnoli, Justus J	16 Purvis St., Long Island City, N. Y. 600 W. 183d St., New York, N. Y.	.5
2AQO	Alexander, Bronson H	600 W. 183d St., New York, N. Y	
2LA	Alfaro, Richard F	730 Riverside Drive, New York, N. Y	1.0
2ARF	Allen, Edwin W. and James	Chatham, N. J	.5
0.13577	J., jr.	1140 Feirmount Ame Flincheth N. I	.5
2AMK	Allin, Willis F	1148 Fairmount Ave., Elizabeth, N. J.	
2US 2AHC	Allstrom, F. Condit Amy, Ernest V	48 W 70th St New York N V	F
2AKZ	Anderson, Lansdell		
2WI	Anderson, Robert N	353 Warburton Ave. Yonkers, N. Y.	
2ALG	Angen, John		
2ARV	Appell, Daniel T	41 St. Nicholas Ter., New York, N. Y	
2UR	Arany, Leo	123 W. 112th St., New York, N. Y	

#### SECOND DISTRICT-Continued.

2ALV 2JN 2MR 2MR 2NY 2AMR 2AWR 2AWR 2AV 2APX 2LO 2APX 2LO 2APX 2DL 2AQP 2PC  2GB 2CJ 2ACX 2MV 2AFZ 2EJ 2CZ 2AGR 2ALV 2APX 2ALV 2APX 2AGR 2ACX 2MV 2AGR 2AGR 2AGR 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX	Bartlett, Bernard W. Bathgate, Walter E. Bazensky, Joseph I. Beaton, J. Donald. Bechtlofft, Claude B. Becker, Frank. Bedell, Walter R. Beechel, George H. J. Beecken, William S.	123 W. 112th St., New York, N. Y. 78 Roosevelt Pl., Freeport, N. Y. Chatham, N. Y. 11 Pavonia Ave., Arlington, N. J. Sayville, N. Y. 496 Park Ave., Paterson, N. J. 40 Oakwood Ave., Upper Montelair, N. J. 1562 E. 15th St., Brooklyn, N. Y. 49 St. Nicholas Ter., New York, N. Y. 4 Spruce St., Corona, N. Y. Harrison, N. Y. 253 W. 116th St., New York, N. Y. 881 Montgomery St., Jersey City, N. J. 361 Eastern Parkway, Brooklyn, N. Y. 17 Sharp Ave., Port Richmond, N. Y. 40 Orchard St., Jamaica, N. Y. 40 Walnut St., Ridgewood, N. J. 649 W. 184th St., New York, N. Y. 507 Westfield Ave., Westfield, N. J. 102 High St., Passaic, N. J. 307 Berriman St., New York, N. Y. Waterwitch, N. J. 106 Walnut St., Ridgewood, N. J. 12 Callister St., New York, N. Y. 35 Hooker Ave., Poughkeepsie, N. Y. 231 79th St., Brooklyn, N. Y. Fanwood, N. J. 92 Elizabeth St., West New Brighton, N. Y.	
2BS 2GL 2IP 2APE 2APE 2ANE 2JN 2MR 2NY 2APX 2LO 2ARA 2APX 2LO 2ARA 2DL 2BD 2AC 2AIX 2DL 2BD 2AC 2AC 2BD 2AC 2AC 2AC 2BD 2AC 2AC 2AC 2BD 2AC 2AC 2AC 2AC 2AC 2AC 2AC 2AC 2AC 2AC	Bartlett, Bernard W. Bathgate, Walter E. Bazensky, Joseph I. Beaton, J. Donald. Bechtlofft, Claude B. Becker, Frank. Bedell, Walter R. Beechel, George H. J. Beecken, William S.		:
2GL 21P 2APE 2APE 2ALV 2MR 2MR 2NY 2AMR 2APX 2LO 2ARA 2AIX 2DL 2BD 2CJ 2AQP 2PC 2CJ 2AQP 2CJ 2AQP 2CJ 2AQP 2CJ 2AQP 2CJ 2AQP 2CJ 2CJ 2CJ 2CJ 2CJ 2CJ 2CJ 2CJ 2CJ 2CJ	Bartlett, Bernard W. Bathgate, Walter E. Bazensky, Joseph I. Beaton, J. Donald. Bechtlofft, Claude B. Becker, Frank. Bedell, Walter R. Beechel, George H. J. Beecken, William S.		:
2ALV 2JN 2MR 2MR 2NY 2AMR 2AWR 2AWR 2AV 2APX 2LO 2APX 2LO 2APX 2DL 2AQP 2PC  2GB 2CJ 2ACX 2MV 2AFZ 2EJ 2CZ 2AGR 2ALV 2APX 2ALV 2APX 2AGR 2ACX 2MV 2AGR 2AGR 2AGR 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX	Bartlett, Bernard W. Bathgate, Walter E. Bazensky, Joseph I. Beaton, J. Donald. Bechtlofft, Claude B. Becker, Frank. Bedell, Walter R. Beechel, George H. J. Beecken, William S.		:
2ALV 2JN 2MR 2MR 2NY 2AMR 2AWR 2AWR 2AV 2APX 2LO 2APX 2LO 2APX 2DL 2AQP 2PC  2GB 2CJ 2ACX 2MV 2AFZ 2EJ 2CZ 2AGR 2ALV 2APX 2ALV 2APX 2AGR 2ACX 2MV 2AGR 2AGR 2AGR 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX	Bartlett, Bernard W. Bathgate, Walter E. Bazensky, Joseph I. Beaton, J. Donald. Bechtlofft, Claude B. Becker, Frank. Bedell, Walter R. Beechel, George H. J. Beecken, William S.		:
2NY 2NW 2NW 2NW 2LO 2APX 2LO 2ARA 2DL 2BD 2AQP 2PC 2GB 2CJ 2AQP 2PC 2AFZ 2EJ 2CZ 2AGX 2AFZ 2EJ 2AGX 2AFZ 2EJ 2AGX 2AGX 2AGX 2AGX 2AGX 2AGX 2AGX 2AGX	Bartlett, Bernard W. Bathgate, Walter E. Bazensky, Joseph I. Beaton, J. Donald. Bechtlofft, Claude B. Becker, Frank. Bedell, Walter R. Beechel, George H. J. Beecken, William S.		:
2NY 2RWW 2AWW 2LOY 2ARX 2LOY 2ARX 2DL 2BD 2AQP 2PC 2GB 2CJ 2AQP 2AFZ 2EJ 2CZ 2AGX 2AFZ 2EJ 2CZ 2AGX 2AGX 2AGX 2AGX 2AGX 2AGX 2AGX 2AGX	Bartlett, Bernard W. Bathgate, Walter E. Bazensky, Joseph I. Beaton, J. Donald. Bechtlofft, Claude B. Becker, Frank. Bedell, Walter R. Beechel, George H. J. Beecken, William S.		:
2NY 2NW 2NW 2NW 2LO 2APX 2LO 2ARA 2DL 2BD 2AQP 2PC 2GB 2CJ 2AQP 2PC 2AFZ 2EJ 2CZ 2AGX 2AFZ 2EJ 2AGX 2AFZ 2EJ 2AGX 2AGX 2AGX 2AGX 2AGX 2AGX 2AGX 2AGX	Bartlett, Bernard W. Bathgate, Walter E. Bazensky, Joseph I. Beaton, J. Donald. Bechtlofft, Claude B. Becker, Frank. Bedell, Walter R. Beechel, George H. J. Beecken, William S.		:
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2GB 2CJ 2ADV 2ADV 2AFZ 2EJ 2CZ 2AGE 2AGE 2AGA 2AGA 2AGA 2AQX 2LL 2AP 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX	Bartlett, Bernard W. Bathgate, Walter E. Bazensky, Joseph I. Beaton, J. Donald. Bechtlofft, Claude B. Becker, Frank. Bedell, Walter R. Beechel, George H. J. Beecken, William S.		
2GB 2CJ 2ADV 2ADV 2AFZ 2EJ 2CZ 2AGE 2AGE 2AGA 2AGA 2AGA 2AQX 2LL 2AP 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX 2AFX	Bartlett, Bernard W. Bathgate, Walter E. Bazensky, Joseph I. Beaton, J. Donald. Bechtlofft, Claude B. Becker, Frank. Bedell, Walter R. Beechel, George H. J. Beecken, William S.		
2GB 2CJ 2ADV 2ADV 2AFZ 2EJ 2CZ 2AGE 2CZ 2AGE 2AGA 2AGA 2AQX 2LL 2AP 2AFX 2AFX 2AFX 2PN 2AFX 2PN 2PN 2PN 2PN 2PN 2PN 2PN 2PN	Bartlett, Bernard W. Bathgate, Walter E. Bazensky, Joseph I. Beaton, J. Donald. Bechtlofft, Claude B. Becker, Frank. Bedell, Walter R. Beechel, George H. J. Beecken, William S.		
2GB 2CJ 2ADV 2ADV 2AFZ 2EJ 2CZ 2AGE 2CZ 2AGE 2AGA 2AGA 2AQX 2LL 2AP 2AFX 2AFX 2AFX 2PN 2AFX 2PN 2PN 2PN 2PN 2PN 2PN 2PN 2PN	Bartlett, Bernard W. Bathgate, Walter E. Bazensky, Joseph I. Beaton, J. Donald. Bechtlofft, Claude B. Becker, Frank. Bedell, Walter R. Beechel, George H. J. Beecken, William S.		
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2GB 2CJ 2ADV 2ADV 2AFZ 2EJ 2CZ 2AGE 2CZ 2AGE 2AGE 2AGA 2AQX 2LL 2APX 2AQX 2LL 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2APX 2	Bartlett, Bernard W. Bathgate, Walter E. Bazensky, Joseph I. Beaton, J. Donald. Bechtlofft, Claude B. Becker, Frank. Bedell, Walter R. Beechel, George H. J. Beecken, William S.		
2CJ 2ADV 2AFZ 2EJ 2CZ 2CZ 2AGE 2CO 2ACX 2MV 2AGA 2AQX 2LL 2APX 2ALW 2AFB 2AFB 2AFB 2AFB	Bartlett, Bernard W. Bathgate, Walter E. Bazensky, Joseph I. Beaton, J. Donald. Bechtlofft, Claude B. Becker, Frank. Bedell, Walter R. Beechel, George H. J. Beecken, William S.		
2CJ 2ADV 2AFZ 2EJ 2CZ 2CZ 2AGE 2CO 2ACX 2MV 2AGA 2AGA 2AQX 2LL 2AQX 2LL 2AQX 2TE 2AQX 2TE 2AGX 2AGX 2AGX 2AGX 2AGX 2AGX 2AGX 2AGX	Bartlett, Bernard W. Bathgate, Walter E. Bazensky, Joseph I. Beaton, J. Donald. Bechtlofft, Claude B. Becker, Frank. Bedell, Walter R. Beechel, George H. J. Beecken, William S.		
2CJ 2ADV 2AFZ 2EJ 2CZ 2CZ 2AGE 2CO 2ACX 2MV 2AGA 2AQX 2LL 2APX 2ALW 2AFB 2AFB 2AFB 2AFB	Bathgate, Walter E Bazensky, Joseph I. Beaton, J. Donald Bechtlofft, Claude B Becker, Frank Bedell, Walter R Beechel, George H. J Beeken, William S	102 High St., Passaic, N. J. 102 High St., Passaic, N. J. 107 Berriman St., New York, N. Y. Waterwitch, N. J. 106 Walnut St., Bidgewood, N. J. 12 Callister St. New York N. Y.	
2AFZ 2EJ 2CZ 2AGE 2CO 2ACX 2MV 2AGA 2AGA 2AQX 2LL 2AP 2ALW 2AHA 2ARY 2AHA 2ARY 2AHS 2AFB 2AFB	Bechtlofft, Claude B. Becker, Frank. Bedell, Walter R. Beechel, George H. J. Beeken, William S.	307 Berriman St., New York, N. Y Waterwitch, N. J. 106 Walnut St., Ridgewood, N. J. 12 Callister St. New York, N. Y.	
2AFZ 2EJ 2CZ 2AGE 2CO 2ACX 2MV 2AGA 2AGA 2AQX 2LL 2AP 2ALW 2AHA 2ARY 2AHA 2ARY 2AHS 2AFB 2AFB	Bechtlofft, Claude B. Becker, Frank. Bedell, Walter R. Beechel, George H. J. Beeken, William S.	Waterwitch, N. J. 106 Walnut St., Ridgewood, N. J. 12 Callister St. New York, N. Y.	
2CZ 2AGE 2AGE 2CO 2ACX 2WV 2WN 2AGA 2AQX 2LL 2AP 2ALW 2TE 2AHA 2ARY 2PN 2AHS 2AFB 2AFB	Becker, Frank	106 Walnut St., Kidgewood, N. J	
2AGE 2CO 2MV 2WN 2AGA 2AGA 2AGX 2LL 2AP 2TE 2AHA 2ARY 2PN 2AHS 2AFB 2NT	Bedell, Walter R Beechel, George H. J Beeken, William S		
2MV 2WN 2AGA 2AGX 2LL 2AP 2ALW 2TE 2AHA 2ARY 2PN 2AHS 2AFB 2NT	Beechel, George H. J Beeken, William S	35 Hooker Ave., Poughkeepsie, N. Y.	
2MV 2WN 2AGA 2AGX 2LL 2AP 2ALW 2TE 2AHA 2ARY 2PN 2AHS 2AFB 2NT	Beeken, William S	231 79th St., Brooklyn, N. Y.	
2WN 2AGA 2AGX 2LL 2AP 2AP 2ARY 2ARY 2PN 2AHS 2AHS 2AFB		Fanwood, N. J.	
2AQX 2LL 2AP 2ALW 2TE 2AHA 2ARY 2ARY 2ARS 2AHS 2AHS 2NT		92 Elizabeth St., West New Brighton, N. Y	
2AQX 2LL 2AP 2ALW 2TE 2AHA 2ARY 2ARY 2ARS 2AHS 2AHS 2NT	Beller, William A. G. Belsky, Walter. Bement, Frederic.	92 Elizabeth St., West New Brighton, N. Y. 588 Essex St., Brooklyn, N. Y. 1134 Findlay Ave., New York, N. Y. Bryant High School, Long Island City, N. Y.	
2LL 2AP 2ALW 2TE 2AHA 2ARY 2PN 2PN 2AHS 2AFB 2NT	Bement, Frederic	Bryant High School, Long Island City, N. Y.	1
2PN 2AHS 2AFB 2NT	Benedict, Alonzo R	Newburgh, N. Y.	
2PN 2AHS 2AFB 2NT	Benedict, Alonzo R Benedict, Alonzo R Benson, Edwin Benson, Warren S Bentzig, Victor H Benzing, Herman A Benzing, George P	Bryant High School, Long Island City, N. Y Newburgh, N. Y 2567 Bedford Ave., Brooklyn, N. Y 4 Fuller Pl., New York, N. Y 165 Woodmere Pl., Richmond Hill, N. Y 802 E. Jersey St., Elizabeth, N. J 171 Parker St., Newark, N. J 206 High St., Brooklyn, N. Y 172 Parker St., Brooklyn, N. Y 172 Parker St., Brooklyn, N. Y 172 Fithush Ave., Brooklyn, N. Y 172 Fith St., Brooklyn, N. Y 174 F. I. Tith St., Brooklyn, N. Y 175 Rockdale Ave., New Rochelle, N. Y 176 Rockdale Ave., New Rochelle, N. Y 176 Clark Ave., Ocean Grove, N. J 170 Jersey St., New Brighton, N. Y 187 Main St., Nyack, N. Y 188 33d St., Woodclif-on-Hudson, N. J 188 E. Barbour St., Haledon, N. J 188 Clark Ave., A Booklyn, N. Y 188 Ochical Research	
2PN 2AHS 2AFB 2NT	Bentzig Victor H	165 Woodmere Pl. Richmond Hill N. V.	
2PN 2AHS 2AFB 2NT	Benzing, Herman A	802 E. Jersey St., Elizabeth, N. J.	
2AFB 2NT	Berger, George P Berger, H. C. V. B Bergner, James A Berlin, Benjamin Bernstein, Arthur W	171 Parker St., Newark, N. J.	
2AFB 2NT	Bergner James A	33 Pennington Ave., Passaic, N. J.	
2NT	Berlin, Benjamin.	1252 Flatbush Ave., Brooklyn, N. Y.	
	Bernstein, Arthur W	220 1st Ave., Mt. Vernon, N. Y	
2MS	Bernstein, Arthur W Berri, Herbert. Bettels, Edward T. Betts, Philander H. Bils, Charles A. Blackford, Harold W Blanchard, Wesley S. Blauvelt, William M Bleilevens, Gerbardt	497 E. 17th St., Brooklyn, N. Y.	
2AMH 2MN	Better Philander H	238 Velley Rd. Montaleir, N. I.	
2AIF	Bils, Charles A	86 Clark Ave., Ocean Grove, N. J.	
2Q.B	Blackford, Harold W	220 Park Ave., Plainfield, N. J.	
2FO 2CR	Blanchard, Wesley S	170 Jersey St., New Brighton, N. Y.	
2SP	Bleilevens, Gerhardt	198 Main St., Nyack, N. Y.	1
2AHK	Bocchio, Raymond	8 E. Barbour St., Haledon, N. J.	1
2AFA	Bodkin, Laurence G	290 Clinton Ave., Brooklyn, N. Y	
2JD	Bocchio, Raymond Bodkin, Laurence G Boeder, Arthur R Bogardus, Henry L	8 E. Barbour St., Haledon, N. J. 290 Clinton Ave., Brooklyn, N. Y. 3430 Duncomb Ave., New York, N. Y. 327 Bergen Ave., Jersey City, N. J. 122 Wilbur Ave., Long Island City, N. Y.	1
2PY 2AQS	Bohman Albert	327 Bergen Ave., Jersey City, N. J.	
2TP	Bohman, Albert Bohn, William C Bona, Edward Bondeaux & Knights	1515 2d Ave., New York, N. Y.	
2ARG	Bona, Edward	82 Van Nostrand Ave., Jersey City, N. J.	
2UG	Bondeaux & Knights	862 Hewitt Pl., New York, N. Y	1
2ME 2AQM	Borny Jeidor	30 Center St., New York, N. Y.	
2ASM	Borduin, David	61 Plantern Ave. Prospect Park N J	
2AEK	Brainard, Edward S	400 W. Franklin Ave., Ridgewood, N. J.	1
2LW	Breen, Thomas J	353 E. 193d St., New York, N. Y	
2ARN 2AII	Booth, Sherman F. Borax, Isidor Borduin, David Brainard, Edward S. Breen, Thomas J. Bremer, Frank V. Brewster Carleton, jr. Brick Frank R ir.	3613 Boulevard, Jersey City, N. J.	
2AII 2AAS	Brick, Frank R ir	50 Avenue B. Bayonne, N. I	1
2GF	Brick, Frank R., jr Brockman, Francis C Broggini, Claud. Brooklyn Telegraph School.	226 Walnut St., Roselle Park. N. J.	1
2AFC	Broggini, Claud	2605 8th Ave., New York, N. Y.	1
2CL	Brooklyn Telegraph School.	313 Fulton St., Brooklyn, N. Y.	
2FU 2AJF	Broome Frank H	315 Chestnut St., New York, N. Y.	
2FF	Brooks, L. Van V. Broome, Frank H. Brower, Harold S.	19 S. Clinton St., Poughkeepsie, N. Y	
2ANT	T) 15 //	Savville, N. Y	1
2VM 2KD	Brown, Mortimer Brown, Philip T Browne, Walram S	1808 Grand Concourse, New York, N. Y	1

#### SECOND DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
		- An	Kw.
2JR	Bruce, Edmond	2049 63d St., Brooklyn, N. Y	0.
2AMI	Brush, George S., jr Bryant High School. See	326 E. Main St., Patchogue, N. Y	
	Bryant High School. See		0.00
2AF	Bement, Frederic. Bryant, Marquis V	CC Trichland Ame Name N N	
2MH	Buchanan, William F	6 S. Highland Ave., Nyack, N. Y	
ZACN	Buchheister, Morris	5 W 117th St New York N V	
NL	Buckman, John R	4 Hemlock Pl New Pochelle N V	
ZAKO	Burns, Raymond N	203 Bay 31st St. Bensonhurst N. V	
PAID	Butler Robert M	396 E. 16th St., Brooklyn, N. Y.	-3
2AJ	Buttner, Edwin T. Buttner, Edwin T. Byrne, William.	Keansburg, N. J. (portable station)	V 23
2AGM	Buttner, Edwin T	1160 3d Ave., New York, N. Y	- 100
2AHR	Byrne, William	85 N. 120th St., Rockaway Park, N. Y	
2ACQ	Cadmus, Le Roy G. Caggiano, Carmine J.	96 Forest Ave., Glen Ridge, N. J.	4.00
2WK 2RL	Caggiano, Carmine J	245 Pacific St., Brooklyn, N. Y	
ZARP	Camp Victor F Campbell, George C. Campbell, Robert, jr	Brightwaters, N. Y.	1
ZES	Campbell Pobert in	92 Highland Ave., 1 onkers, N. 1	1
SX	Cannon, George C	192 Droke Ave New Pochelle N V	1
ZALK	Capillon, Edward A	700 Park Ave New York N Y	43
PAPR	Capillon, Edward A Carpenter, Stephen C	273 S. Main St., Hempstead, N. Y.	-3
2AJC	Carr, John	204 W. 149th St., New York, N. Y	PHILE.
2JA	Carrithers David	6 S. Highland Ave., Nyack, N. Y. 128 Market St., Perth Amboy, N. J. 5 W. 117th St., New York, N. Y. 4 Hemlock Pl., New Rochelle, N. Y. 203 Bay 31st St., Bensonhurst, N. Y. 396 E. 16th St., Brooklyn, N. Y. Keansburg, N. J. (portable station). 1160 3d Ave., New York, N. Y. 85 N. 120th St., Rockaway Park, N. Y. 96 Forest Ave., Glen Ridge, N. J. 245 Pacific St., Brooklyn, N. Y. Brightwaters, N. Y. 292 Highland Ave., Yonkers, N. Y. 117 Marshall St., Elizabeth, N. J. 1183 Drake Ave., New Rochelle, N. Y. 799 Park Ave., New York, N. Y. 204 W. 149th St., New York, N. Y. 204 W. 149th St., New York, N. Y. 233 185th St., New York, N. Y. 231 185th St., New York, N. Y. 251 Sawall Ave., Abury Park, N. J. 251 Sawall Ave., Abury Park, N. J.	350
PAKE	Cater, Raymond Caulfield, James V Cawman, David L	Keyport, N. J. 2331 185th St., New York, N. Y. 1531 Sewell Ave., Asbury Park, N. J. 1628 11th Ave., Brooklyn, N. Y. 155 Broad St., Keyport, N. J. Chestnut St., Englewood, N. J. 2416 Morris Ave., New York, N. Y. 38 Vernon Ter., East Orange, N. J. 227 Audubon Ave., New York, N. Y. 601 W. 156th St., New York, N. Y. 130 W. 14th St., New York, N. Y. 1936 Pitkin Ave., Brooklyn, N. Y. 352 Willet Ave., Port Chester, N. Y. 22 Cedar St., Yonkers, N. Y.	27/8
PAKJ	Caulfield, James V	2331 185th St., New York, N. Y	
2ADB 2APY	Charleton, Eugene E	1531 Sewell Ave., Asbury Park, N. J	Y
ZAOC	Charry George S	1528 11th Ave., Brooklyn, N. Y	1 1 4
DS	Clark Le Roy	Chestnut St. Englawood N. T.	1
ZAGI	Clarkin, William	2416 Morris Ave. New York N. Y	
PAOK	Cherry, George S Clark, Le Roy Clarkin, William Class, Charles L	38 Vernon Ter., East Orange, N. J.	1-1-3
ZAAK	Codaday, Lawrence M. Cohan, Edwin K. Cohen, Monte Cohen, Samuel	227 Audubon Ave., New York, N. Y	1
MY	Cohan, Edwin K	601 W. 156th St., New York, N. Y	1.
ZARR	Cohen, Monte	310 W. 14th St., New York, N. Y	
PS	Cohen, Samuel	1936 Pitkin Ave., Brooklyn, N. Y	Unio.
2HV 2TZ 2RT	Collignon, Francis A	352 Willet Ave., Port Chester, N. Y	
DT	Collins, Frank J. Collinson, Jesse G. Collison, Percy B.	22 Cedar St., Yonkers, N. Y	
ZKN	Collison Percy B	172 Monlo St. Prooldyn N. V.	
2HW	Combes, Rae	28A E 42d St Bayonne N I	
ZAHI	Comes, William J	14 Geneva St., Newark, N. J.	
2FQ	Connor, Harold G	827 3d Ave., North Troy, N. Y	
2JC	Connors, James	1304 Shakespeare Ave., New York, N. Y	
2AMW	Coon, George Cooper, William S Coote, Charles W Coote, Charles W Coote, Charles W	36 116th St., New York, N. Y	
2ADY	Cooper, William S	566 53d St., Brooklyn, N. Y	
2HF 2KA	Coote, Charles W	240 Audubon Ave., New York, N. Y	1110
2IG	Corwin George F	586 177th St., New York, N. Y.	
2I.D	Cotter William F	46 Haniord St., Middletown, N.Y.	4
2LD 2VK	Corwin, George E. Cotter, William F. Covert, James D. Cowper, Norman C.	352 Willet Ave., Port Chester, N. Y. 22 Cedar St., Yonkers, N. Y. 70 Cherry St., West Orange, N. J. 172 Maple St., Brooklyn, N. Y. 28A E. 42d St., Bayonne, N. J. 14 Geneva St., Newark, N. J. 1304 Shakespeare Ave., New York, N. Y. 361 li6th St., New York, N. Y. 240 Audubon Ave., New York, N. Y. 240 Audubon Ave., New York, N. Y. 46 Hanford St., Middletown, N. Y. 46 Hanford St., Middletown, N. Y. 46 Glenwood Rd., Upper Montclair, N. J. Lynbrook, N. Y.	
ZIT	Cowper, Norman C.	Lynbrook, N. Y	1.
ZAER	Crinnion, Edward T. J	63 Mt. Hope Pl., New York, N. Y	Tule.
2DP	Crinnion, Edward T. J. Crocker, Frank H.	11 Broadway, Rockville Center, N. Y	-
2GJ	Cronemeyer, Edmund G	1201 Vyse Ave., New York, N. Y.	,
ZAJV	Cronin, William	526 W. 174th St., New York, N. Y	
2EM	Crosby, Roy C	211 W. 148th St., New York, N. Y	
2ADM 2ANQ	Crown Howard A	Saddle River, N. J	
2ABF	Cronin, William Crosby, Roy C Crosby, Warner N. Crowe, Howard A. Crozier, Edward A. Cummings, Frank X. Cushman, Charles D., jr Cyriax, Ernest A. Dahlgren Birger A. Dahlgren Birger A.	40 Glenwood Rd., Upper Montclair, N. J. Lynbrook, N. Y. 63 Mt. Hope Pl., New York, N. Y. 11 Broadway, Rockville Center, N. Y. 1201 Vyse Ave., New York, N. Y. 526 W. 174th St., New York, N. Y. 211 W. 148th St., New York, N. Y. Saddle River, N. J. Harrison, N. Y. Fair Haven, N. J. 2132 Washington Ave., New York, N. Y.	ALE
2KJ	Cummings, Frank X	Fair Haven, N. J. 2132 Washington Ave., New York, N. Y. 137 Davis Ave., New Brighton, N. Y. 219 E. 71st St., New York, N. Y. 1652 41st St., Brooklyn, N. Y. 21 Manitou Ave., Poughkeepsie, N. Y. 313 James St., Peekskill, N. Y. 415 Newell Ave., Rutherford, N. J. 659 W. 179th St., New York, N. Y. 308 W. 112th St., New York, N. Y. 334 4th St., Union Hill, N. J.	
ZADT	Cushman, Charles D., ir	137 Davis Ave., New Brighton, N. Y.	To the
2DI	Cyriax, Ernest A	219 E. 71st St., New York, N. Y	
2GG	Dahlgren Birger A	1652 41st St., Brooklyn, N. Y	
2BJ	Danins, Her Der be	21 Manitou Ave., Poughkeepsie, N. Y	
2CE	Dain, John W	313 James St., Peekskill, N. Y	1.
2AD	Dammers, Albert	145 Newell Ave., Rutherford, N. J	1.
2AAI	Dartiguenave, Henry P	659 W. 179th St., New York, N. Y	
2AOY	Davidson, Arthur Davies, Richard J., jr Davis, Clarence F Davison, Walter H., jr Dawley, Earle R Dawson, Fred	308 W. 112th St., New York, N. Y	-1
2AGX 2ADP	Davies, Richard J., Jr	334 4th St., Union Hill, N. J. 809 Park Pl., Brooklyn, N. Y. 22 N. Park Ave., Rockville Center, N. Y.	-1.
2CX	Davison Walter H ir	22 N Park Ava Rockville Center N V	133
2NA	Dawley, Earle R	86 Hanry St. Passaie N 1	
2AIS	Dawson, Fred	64 Laurel Ave., Arlington, N. J.	1
2KK	Day, Howard B	86 Henry St., Passaic, N. J. 64 Laurel Ave., Arlington, N. J. 555 Mountain Ave., Westfield, N. J.	1.
rr in 1	Day, Howard Bde Calahorra, Amadeo S.	, , , , , , , , , , , , , , , , , , , ,	
	See Saenz de Calahorra,		1
	Amadeo.		

#### SECOND DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
2AFN	Decker, Ralph W. E. Decker, Ralph W. E. De Cortin, Gustav A. Dederick, Harry C. de Forest, Edward L., jr. Denitz, Burr V. Dennis, Frederick F. Derx, Martin, jr. De Vizio, Joseph. De Yoe, Willard L. Dickenson, Henry E. Dickiesy, Edward T. Dickinson, Edwin A.	21 Valley Rd., White Plains, N. Y. 7 Odell Ave., White Plains, N. Y. 16 Elm St., Mt. Vernon, N. Y. 16 N. 5th St., Hudson, N. Y. Garden City, N. Y. Slinger lands, N. Y. Fair Haven, N. J. 253 Vernon Ave., Brooklyn, N. Y. 1656 Parker St., Westchester, N. Y. 689 Broadway St., Paterson, N. J. 91 Greenbridge Ave., White Plains, N. Y. 1649 Amsterdam Ave., New York, N. Y. 1038 Garden St., Hoboken, N. J.	1.0
2VS	Decker, Ralph W. E	7 Odell Ave., White Plains, N. Y	1.0
2JX 2AJX	De Cortin, Gustav A	16 Elm St., Mt. Vernon, N. Y	
2AJA 2TL	de Forest Edward I in	Gordon City, N. V.	:
2AAB	Deitz Burr V	Slingerlands N V	
2JT	Dennis, Frederick F.	Fair Haven, N. J	
2CF	Derx, Martin, jr	253 Vernon Ave., Brooklyn, N. Y	1.
2AJG	De Vizio, Joseph	1656 Parker St., Westchester, N. Y	
2AS	De Yoe, Willard L	689 Broadway St., Paterson, N. J.	
2TC	Dickenson, Henry E	91 Greenbridge Ave., White Plains, N. Y	
2CN	Dickey, Edward T	1029 Carden St. Habeken N. I.	:
2ARX 2GY	Dietz Walter	13 Sharman Ava Vonkers N V	
ZARM	Dimmick, F. Ray	230½ 4th St., Jersey City, N. J.	:
2ALL	Dickinson, Edwin A Dickinson, Edwin A Dietz, Walter Dimmick, F. Ray Dinga, William E Dix, Harold S Dodd, H. Hanson	585 Amsterdam Ave., New York, N. Y	
2AFE	Dix, Harold S	115 Harrison Ave., Westfield, N.J	:
2ABO	Dodd, H. Hanson	131 Clarewill Ave., Upper Montclair, N. J	
2RO	Dodds, Andrew C	132 S. Swan St., Albany, N. Y	
2EZ	Donohue, Peter J	103 W. 60th St., New York, N. Y	
2ML 2EA	Doty Walter P	479 W 145th St New York N V	
2AIA	Draper George B	1076 Anderson Ave New York N Y	
2EU	Droste, George T	1309 Pugslev Ave., New York, N. Y	:
2AQA	Dodd, H. Hanson. Dodds, Andrew C. Donohue, Peter J. Donovan, Etienne S. Doty, Walter P. Draper, George B. Droste, George T. Drury, Frank Dugan, Edward W. Dunham, Clarence L. Dunham, John S.	21 Amherst Ave., Jamaica, N. Y	
2AQA 2IY	Dugan, Edward W	631 Jersey Ave., Jersey City, N. J	
2TN	Dunham, Clarence L	250 Woodlawn Ave., Jersey City, N. J	
2ACV	Dunham, John S	22 Buckingham Rd., Brooklyn, N. Y	
2ALI	Dunham, Nelson	689 Broadway St., Paterson, N. J. 91 Greenbridge Ave., White Plains, N. Y. 1649 Amsterdam Ave., New York, N. Y. 1038 Garden St., Hoboken, N. J. 13 Sherman Ave., Vonkers, N. Y. 2304 4th St., Jersey City, N. J. 585 Amsterdam Ave., New York, N. Y. 115 Harrison Ave., Wey York, N. Y. 115 Harrison Ave., Wey Hork, N. Y. 115 Harrison Ave., Upper Montelair, N. J. 131 Clarewill Ave., Upper Montelair, N. J. 132 S. Swan St., Albany, N. Y. 103 W. 60th St., New York, N. Y. 103 W. 60th St., New York, N. Y. 1055 Circuit St., New Rochelle, N. Y. 478 W. 145th St., New York, N. Y. 1076 Anderson Ave., New York, N. Y. 1030 Pugsley Ave., New York, N. Y. 21 Amherst Ave., Jamaica, N. Y. 21 Amherst Ave., Jamaica, N. Y. 21 Buckingham Rd., Brooklyn, N. Y. 103 1st Ave., Highland Park, N. J. 102 Edgecombe Ave., New York, N. Y. 104 Highland Ave., Mey York, N. Y. 105b5 3d Ave., Brooklyn, N. Y. 105 Highland Ave., Wew York, N. Y. 105 Highland Ave., Walden, N. Y. 104 Beechmont Pk., New York, N. Y. 105 W. 177th St., New York, N. Y. 113 d Ave., New Brighton, N. Y. 1122 49th St., Brooklyn, N. Y. 1122 49th St., Brooklyn, N. Y. 1124 19th St., Brooklyn, N. Y. 1125 19th St., New York, N. Y. 1126 E. 66th St., New York, N. Y. 1127 Hist., New York, N. Y. 1128 Hoth St., Brooklyn, N. Y. 1129 Hoth St., Brooklyn, N. Y. 1120 W. 93d St., New York, N. Y. 1121 Harbor, N. Y. 120 W. 93d St., New York, N. Y. 120 Belle Harbor, N. Y. 120 St. Marks Pl., Brooklyn, N. Y. 120 Belle Harbor, N. Y. 120 St. Weyork, N. Y. 120 St. Warshey Harbooken, N. J. 121 Belle Harbor, N. Y. 122 St., New York, N. Y. 123 St., New York, N. Y. 124 Hudson St., Hoboken, N. J. 125 Hudson St., Hoboken, N. Y. 126 Hudson St., Hoboken, N. Y. 127 St. Niervisch Drive, New York, N. Y. 128 Highland Ave., Rew York, N. Y. 129 St., Hoboken, N. J. 120 Keysant Ave., Hooklyn, N. Y. 131 St., New York, N. Y. 132 St., New York, N. Y. 133 Le. 173d St., New York, N. Y.	1.
2HT	Dunn, Alan C. Earle, William P., jr. Eastern District Y. M. C. A.	White Plains N V	:
2RG 2AV	Eastern District Y. M. C. A	179 Marcy Ave. New York, N. Y.	
2AI	Eber, John G	5505 3d Ave., Brooklyn, N. Y	
2ADE	Eckler, H. D	30 Highland Ave., Walden, N. Y	:
2QJ	Eckley, Harold J	Beechmont Pk., New Rochelle, N. Y	1.
2PG	Eckler, H. D. Eckley, Harold J. Eckstein, William J. Edwards, Joseph B. Eddy, John L., jr. Egolf, Richard S. Ellingham, Irving.	35 W. 177th St., New York, N. Y	1.
2AEH	Edwards, Joseph B	236 Linden Ave., Brooklyn, N. Y	
2AKN	Eddy, John L., Jr	11 30 Ave., New Brighton, N. 1	
2LE 2AGY	Ellingham Irving	302 Broadway New York N Y	
2IQ	Elliott, Paul C. Elrae Mfg. & Trading Co Emanuel, John H., jr.	162 E 66th St. New York, N. Y.	
2RG	Elrae Mfg. & Trading Co	White Plains, N. Y	1.
2RG 2ST	Emanuel, John H., jr	Englewood, N. J	
2EP	Engelhart, Lawrence England, George B	New Dorp, N. Y	
2ET	England, George B	917 St. Nicholas Ave., New York, N. Y	
2ASO	Engstrom, Joseph E Erasmus Hall High School Erickson, Evald T	Flothugh Avg. Prophlyn N V	
2OC 2ARZ	Erasmus Hall High School	Harrison N V	
2A00	Erven, Raymond P Estberg, Hugo L Ettlinger, Albert Evans, Arthur F Evans, Arthur F Evans, Arthur F	Keanshirg N J	
2AIR	Estherg, Hugo L	682 Bergen St., Brooklyn, N. Y	
2FR	Ettlinger, Albert	202 W. 93d St., New York, N. Y	
2UF	Evans, Arthur F	246 Emerson Pl., Brooklyn, N. Y	
2AHY	Everingham, Charles E	206 9th St., Troy, N. Y	
2∢BI	Everitt, William L	724 South St., Peekskill, N. Y	1.
210	Faraon, Adolph J	Belle Herber N V	1.
2PM 2JK	Faraon, Adolphi J	808 West End Ave New York N Y	1.
21 B	Faraon, Rene J	515 McLean Ave., Yonkers, N. Y.	1.
2ADO	Felix Edgar	528 Riverside Drive, New York, N. Y	
$_{ m 2ADQ}_{ m 2ANY}$	Felt, George G	Hawthorne, N. Y	
2ARC	Ferguson, George M	303 Stuyvesant Ave., Brooklyn, N. Y	
2MZ	Ferguson, James B., jr	331 E. 173d St., New York, N. Y	1
2AQT	Ferris, Clinton S	409 Smith St., Peekskill, N. Y	1
2CY 2ALE	Evans, Arthur F Everingham, Charles E. Everitt, William L. Faraon, Adolph J. Faraon, Adolph J. Faraon, Rene J. Feeney, Walter. Felix, Edgar. Felt, George G. Ferguson, George M. Ferguson, James B., jr. Ferris, Clinton S. Ferris, Malcolm Fingerlir, Harold J. Fink, Gustave.	Seasine Park, N. J Rockeyey Reach N V	
2ALE 2AIQ	Fink Gustava	215 Lenox Rd Brooklyn N Y	
2ANF		27 Highland Ave., Middletown, N. Y.	
2AEM	Fishoff, Louis A	210 E. 114th St., New York, N. Y	
2RU	Fletcher, Jordon J.	Lynbrook, N. Y	1
2WB	Fogetti, Howard J	7421 Narrows Ave., New York, N. Y	
2ANM	Foot, N. Brainard	1432 75th St., Brooklyn, N. Y	
2TB	Fish, Edward H Fishoff, Louis A. Fletcher, Jordon J. Fogetti, Howard J. Foot, N. Brainard. Ford, Everett J. Footer, Dudlay F.	313 McLean Ave., To deals, 1328 Riverside Drive, New York, N. Y. Hawthorne, N. Y. 303 Stuyvesant Ave., Brooklyn, N. Y. 331 E. 173d St., New York, N. Y. 409 Smith St., Peekskill, N. Y. Seaside Park, N. J. 296 Washington Ave., Rockaway Beach, N. Y. 315 Lenox Rd., Brooklyn, N. Y. 27 Highland Ave., Middletown, N. Y. 210 E. 114th St., New York, N. Y. 1421 Narrows Ave., New York, N. Y. 1422 TSth St., Brooklyn, N. Y. 318 Randolph Ave., Jersey City, N. J. 423 4th Ave., Newark, N. J. Babylon, N. Y. 676 Lincoln Pl., Brooklyn, N. Y.	
${}^{ m 2FV}_{ m 2IR}$	Ford, Everette Ford, Foulke, J. Brion, jr. Fowler, Jack B.	Pobylon N V	
ZIK	rouike, J. Brion, Jr	Dauyion, It. 1	

#### SECOND DISTRICT—Continued.

Call signal.	Owner of station,	Location of station.		
		1662 70th St., Brooklyn, N. Y. 408 Main St., Union, N. J. 294 W. 92d St., New York, N. Y. 97 Bruce Ave., Yonkers, N. Y. Southampton, N. Y. 156 N. Arlington Ave., East Orange, N. J. 1581 2d Ave., New York, N. Y. Preakness, N. J. 540 W. 158th St., New York, N. Y. 157 Park St., Upper Montclair, N. J. 0akhurst, N. J. 15 Prospect St., Adams, N. Y. 224 Reid Ave., Brooklyn, N. Y. Center Ave., Little Falls, N. J. 1 Walton Ave., New York, N. Y. 1 Walton Ave., New York, N. Y. 234 Reid Ave., New York, N. Y. 248 Teighton, N. Y. 258 Vreeland St., East Rutherford, N. J. 258 Chester St., Newark, N. J. 1709 Park Ave., New York, N. Y. 1425 Church St., Richmond Hill, N. Y. 267 Greenwich St., New York, N. Y. 2710 Caton Ave., Brooklyn, N. Y. 273 Greenwich St., New York, N. Y. 1740 Caton Ave., Ridgewood, N. J. 1802 W. 181st St., New York, N. Y. 174 Overlook Ave., Ridgewood, N. J. 174 Manhattan Ave., Jersey City, N. J. 175 Paterson St., Paterson, N. J. 175 Paterson St., Paterson, N. J. 176 Paterson St., Paterson, N. J. 177 Paterson St., Paterson, N. J. 179 Paterson, N. J. 185 Clerk St., Lersey City, N. J. 185 Clerk St., Lersey City, N. J. 185 Prospect Ave., Brooklyn, N. Y. 197 High St., Perth Amboy, N. J. 198 Wh., Perth Amboy, N. J. 199 High St., Perth Amboy, N. J. 199 High St., Brooklyn, N. Y. 242 Mountain Way, Kingsland, N. J. 242 Broadway, Tottenville, N. Y. 242 Broadway, Tottenville, N. Y. 242 Broadway, Tottenville, N. Y. 243 Broadway, Tottenville, N. Y. 244 Broadway, Tottenville, N. Y. 255 Pith St., New York, N. Y. 266 W. 162d St., New York, N. Y. 276 Hill St., Newayrok, N. Y. 277 High St., Perekskill, N. Y. 288 E. 19th St., New York, N. Y. 290 Smith St., Peckskill, N. Y. 291 Pinehurst Ave., New York, N. Y. 292 Pinehurst Ave., New York, N. Y. 293 W. 126th St., New York, N. Y. 292 Brighton Ave., Brooklyn, N. Y. 292 Brighton Ave., Brooklyn, N. Y. 293 St., Brooklyn, N. Y. 294 St. Righton Ave., Brooklyn, N. Y. 295 Brighton Av	Kw.	
2KM	Francis, Charles E	1662 70th St., Brooklyn, N. Y	0.	
2AME	Francis, Charles E	408 Main St., Union, N. J.		
2ALA	Francis, Sylvian Frankenstein, Edwin S	97 Bruce Ave. Vonkers N. V.		
$^{2\mathrm{AQW}}_{2\mathrm{APZ}}$	Freeman Robert J	Southampton N Y		
2FK	Freure, Richard W	439a McDonough St., Brooklyn, N. Y	TO LO	
$_{2JH}$	Fricke, William B	156 N. Arlington Ave., East Orange, N. J.		
2ABE	Frost, Jacob	1531 2d Ave., New York, N. Y		
2BG	Frankenstein, Edwin S. Freeman, Robert J. Freure, Richard W. Fricke, William B. Frost, Jacob. Gaede, George F. Gale, Rowland A.	540 W 158th St New York N Y		
$^{2\mathrm{QG}}_{2\mathrm{UP}}$	Gale, Rowland A. Gannon, J. Kimball. Gardell, Emil C. Gardner, William E. Gartry, William E. Gedney, Ray Van D. Geils, Henry. Gelina, C. J. Genodette, Honore E.	517 Park St., Upper Montclair, N. J.		
2GR	Gardell, Emil C	Oakhurst, N. J		
2GR 2AQC 2MC	Gardner, William E	15 Prospect St., Adams, N. Y		
2MC	Garity, William E	324 Reid Ave., Brooklyn, N. Y	1.	
2FX 2AMY	Goils Henry	1 Walton Ave. New York N. Y.	1.	
2ADD	Gelina, C. J.	Chatham, N. Y		
2ASA	Genodette, Honore E	Kinderhook, N. Y	1000	
2AIM	Giefer, Frank H., jr	West Brighton, N. Y.		
2AY 2TV	Glenn George	48 Chester St. Newark N. I.	1.30	
ZAIT	Genodette, Hollore E. Giefer, Frank H., jr. Gittelbauer, Frederick. Glenn, George Gluck, John Goette, Clifford J.	1709 Park Ave., New York, N. Y.		
2JU	Goette, Clifford J	1425 Church St., Richmond Hill, N. Y	1	
2AJY	Goldstein, Jack	956 Stebbins Ave., New York, N. Y		
2AFU	Goodchild Electrical Co	1710 Caton Ave., Brooklyn, N. Y		
2KY	Goodell John B	106 Loraine Ave. Upper Montclair, N. J.	1	
2UN	Graham, Malcolm	4 Overlook Ave., Ridgewood, N. J	-130	
2AAX 2UN 2ALB	Goodell, John B Graham, Malcolm Gratzner, Raymond	802 W. 181st St., New York, N. Y		
2EB	Gray, Frank F	Madison Bldg., Montclair, N. J	1	
2ARS	Grece, Joseph F	73 Paterson St. Paterson N. I.		
200	Green, Irving W	85 Clerk St., Jersey City, N. J.		
2BK 2QQ 2LP	Green, Raymond J	1352 St. Nicholas Ave., New York, N. Y		
2K L	Gratzner, Raymond Gray, Frank F. Grece, Joseph F Green, Adoniram J Green, Irving W. Green, Raymond J Gregory, Arthur V Grover, Paul B. Grumbacher, Walter Grumbacher, Melvin L. Guarino, John J Guild, Baldwin	197 High St., Perth Amboy, N. J		
2AQR 2AGI 2AJP	Grumbacher, Walter	Peekskill N Y		
2AJP	Grummet, Melvin L	9525 4th Ave., Brooklyn, N. Y		
201	Guarino, John J	242 Mountain Way, Kingsland, N. J.		
2BQ 2DO	Guild, Baldwin	Savville N V		
2ADN	Gutmann, Bernard	110 Garfield Pl., Brooklyn, N. Y	1	
2ANC	Guy, Raymond F. Haight, Russell P. Hajos, Eugene. Hall, Norman C.	342 Broadway, Tottenville, N. Y	1	
ZKK	Haight, Russell P	18 Spruce St., Bloomfield, N. J	1	
2EV	Hall Norman C	47 Hill St. Newark N. I.	1	
2AQZ 2KR	Hallenbeck, Charles Hallett, E. Douglas Halligan, James W	1150 54th St., Brooklyn, N. Y.	1	
2UQ 2EN	Hallett, E. Douglas	86 Prospect Pl., Rutherford, N. J		
2EN	Halligan, James W	328 E. 19th St., New York, N. Y		
2ART	Hammond, George P	200 Smith St. Pooksyll, N. I		
2CW	Hammond, George F. Halsey, Edward G., jr. Ham, Frank H.	Cornwall-on-Hudson, N. Y.		
2AFV 2CW 2DD	Ham, Frank H. Hammond, Fremont M. Hamilton, Albert G., jr. Hammond, Lester. Hanson, George V. Happe, William H. Hardy, Myles Harper, Augustus E. Harrietts, James B.	160 E. Main St., Patchogue, N. Y		
2PX	Hamilton, Albert G., jr	Beach Ave., Larchmont, N. Y	177	
2OA 2AKM	Hammond, Lester	Poelsoway Reach N V		
ZAE	Happe, William H	566 W. 162d St., New York, N. Y.		
2AE 2GH	Hardy, Myles	373 W. 126th St., New York, N. Y	1	
2AIP	Harper, Augustus E	512 Washington Ave., Brooklyn, N. Y.	Num	
2BC	Harrietts, James B	925 Brighton Ave. Porth Amboy N. I.	1	
2AMN	Harris Charles C	Freeport N. Y.	4.	
2AMN 2FZ 2ACE	Hart, Phillip Harris, Charles C Harrison, John B	112 Broad St., Bloomfield, N. J	1.1558	
2MA	Hasbrouck, Earl	Wallkill, N. Y	- 1	
2SM	Hatry, William B	71 Urange St., Brooklyn, N. Y.	- (345)	
2ACW 2ASC	Hauger, Oscar	37 Zabriskie St., Haledon, N. J.		
2ASC 2APN	Hausrath, Alfred H., jr	1866 Cedar Ave., New York, N. Y.		
2JC	Hawkins, Ernest W	224 Depew St., Peekskill, N. Y.	1 28	
2KC	Hayes, Frank X. J	10Z E. 82d St., New YORK, N. Y.	35	
2APG	Hegmegee, Joseph O. L.	235 River Drive, Garfield, N. J.	. 95	
2BM 2APG 2AFJ 2ANI	Heinsohn, Frederick E	112 Broad St., Bloomfield, N. J. Wallkill, N. Y. Yallkill, N. Y. 34 S. Raidroad Ave., Middletown, N. Y. 37 Zabriskie St., Haledon, N. J. 1866 Cedar Ave., New York, N. Y. 224 Depew St., Peekskill, N. Y. 162 E. 82d St., New York, N. Y. 235 State St., Hudson, N. Y. 235 River Drive, Garfield, N. J. 442 S. 4th Ave., Mt. Vernon, N. Y. 991 Chancellor Ave., Irvington, N. J. 51 Crawford St., Newark, N. J.	113	
OABTE	Trainsmann Milton	001 Chancellar Ave. Invincton N I		

#### SECOND DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power.	
			Kw.	
2ABB	Held, William J Hellman, Abraham E	110 Elliot Ave., Yonkers, N. Y. 424 E. 138th St., New York, N. Y. 711 E. 18th St., Brooklyn, N. Y.		
2PW	Hellman, Abraham E	424 E. 138th St., New York, N. Y	0.5	
2FJ 2ACT	Helwig, Herman F	711 E. 18th St., Brooklyn, N. Y Lloyd, N. Y Lloyd, N. Y Islip, N. Y 18lip, N. Y 215 4th St., Newark, N. J Quail and Bradford Sts., Albany, N. Y 403 Decatur St., Brooklyn, N. Y 45 N. Fullerton Ave., Montelair, N. J 30 Irving Pl., Brooklyn, N. Y 322 Rector St., Perth Amboy, N. J 5 Charles St., West Orange, N. J 338 W. 18th St., New York, N. Y Red Bank, N. J. 1018 Columbus Ave., Westfield, N. J Babylon, N. Y		
2AKV	Hendricks, Miles S. Herbert, Norman. Heuer, William H.	58 Crawford St Nawark N I	1 .5	
2NR	Hener, William H	Islin N Y	1	
2AIG	Hevener, Osborn F Hewitt, John K	215 4th St., Newark, N. J	1	
2AGJ	Hewitt, John K	Quail and Bradford Sts., Albany, N. Y	1.0	
2WE	Heydon, Albert R. Heyer, Benjamin W. Higgs, Harry Y Hill, William S.	403 Decatur St., Brooklyn, N. Y		
2UO	Heyer, Benjamin W	45 N. Fullerton Ave., Montclair, N. J		
2DG 2NU	Hill William S	30 Irving Pl., Brooklyn, N. 1	1.	
2IH	Hiller Harry E	5 Charles St. West Orange, N. J.		
2ANV	Hirschfield, Edward	338 W. 18th St., New York, N. Y		
2LJ	Hoagland, Raymond	Red Bank, N. J	1.	
2ALX	Hobson, Christopher E	1018 Columbus Ave., Westfield, N. J	1.	
2EK	Hoernel, Paul	Babylon, N. Y. 298 Western Ave., Albany, N. Y.		
2ANJ	Hoff, Russell S	298 Western Ave., Albany, N. Y	:	
2AQQ 2NS	Hoffman Paul I	Keansburg, N. J	1	
2AFM	Hill, William S. Hillér, Harry E Hirschfield, Edward. Hoagland, Raymond. Hobson, Christopher E Hoernel, Paul. Hoff, Russell S. Hoffman, Frank. Hoffman, Paul J. Holmes, George Holmes, George Homan, Carroll L Homan, Eber J.	158th St. and Harlem River, New York, N. Y		
2AFO	Holmes, George	164 W. 146th St., New York, N. Y	1.	
2ADW	Homan, Carroll L	Sayville, N. Y		
2NF	Homan, Eber J	1915 62d St., Brooklyn, N. Y	:	
2AKU	Honeywell, Robert	515 Prospect Ave., Asbury Park, N. J.		
2LY 2MF	Hoover, Raymond	496 Belmont Ave., Newark, N. J.		
2AOL	Hoppock, Allen H	270 Broadway Far Rockaway N V	:	
20.I	Horning, Robert H	29 Westfield Ave E. Roselle Park N. J.	1.	
2AFW 2HU	Hornung, Julius L	203 E. 64th St., New York, N. Y	1.	
2HU	Hornung, Julius L Hotchkiss, Grosvenor	146 Halsey St., Brooklyn, N. Y		
2ASB	Houseworth, Charles W	2422 University Ave., New York, N. Y		
2II	Howell, Walter J	135 Edgecombe Ave., New York, N. Y	:	
2DF 2ALO	Hoyt, William L	44 Hilton Ave., Garden City, N. 1		
2ABT	Hulse I. Mortimer	9 James St. Middletown N V	:	
2ALP	Howell, Walter J. Hoyt, William L. Huff, Frederick W. Hulse, L. Mortimer. Hulse, Tremaine. Humphreys, Ferdinand F. Humphreys, Ferdinand F.	32 3d Ave Bay Shore, N. Y.		
2ADC	Humphreys, Ferdinand F	319 W. 82d St., New York, N. Y		
2AK 2ADL	Hunkins, Carl J. Hunkins, Carl J. Hunter, John W. Hunter, Thomas F.	South Side High School, Newark, N. J	:	
2ADL	Hunkins, Carl J	123 Hillside Ave., Newark, N. J.		
2AMS	Hunter, John W	68th St. and 2d Ave., Brooklyn, N. Y		
2ACD 2EF	Hurd Theodore	Tilton Ave. Red Renk N. J.	:	
2HL	Huyler, Rollin M	809 St. Nicholas Ave., New York, N. Y.		
2APV	Hymmen, Robert	100 Armstrong Ave., Jersey City, N. J.		
2BW	Hynes, Eugene	2429 Valentine Ave., New York, N. Y		
2UJ	Hund, Thodass F Hurd, Theodore. Huyler, Rollin M. Hymmen, Robert Hynes, Eugene. Innes, Richard C.	343 W. 29th St., New York, N. Y		
2NQ	Isaacson, Charles B	48 W. 89th St., New York, N. Y	1.	
2LS	Jablousky, William	553 E. 134th St., New York, N. Y		
2EX 2AQB	Jablousky, William  Jacquet, Lloyd	478 A 16th St. Brooklyn N. V.	1.0	
2ADU	Jakobson Irving D	370 Senator St. Brooklyn, N. Y		
2AMG	Jakobson, Irving D. Jaques, Channing K. Jensen, Martin Jockers, Edwin B. Johnson, Axel W.	Red Bahk, N. J.  Babylon, N. Y.  Babylon, N. Y.  298 Western Ave., Albany, N. Y.  Keansburg, N. J.  165 E. 88th St., New York, N. Y.  164 W. 146th St., New York, N. Y.  164 W. 146th St., New York, N. Y.  1915 62d St., Brooklyn, N. Y.  1515 Prospect Ave., Asbury Park, N. J.  496 Belmont Ave., Newark, N. J.  215 Clark St., Westfield, N. J.  379 Broadway, Far Rockaway, N. Y.  208 Westfield Ave. E., Roselle Park, N. J.  203 E. 64th St., New York, N. Y.  146 Halsey St., Brooklyn, N. Y.  1416 Halsey St., Brooklyn, N. Y.  1422 University Ave., New York, N. Y.  1435 Edgecombe Ave., New York, N. Y.  144 Hilton Ave., Garden City, N. Y.  154 James St., Middletown, N. Y.  23 da Ave., Bay Shore, N. Y.  319 W. 82d St., New York, N. Y.  319 W. 82d St., New York, N. Y.  319 W. 82d St., New York, N. Y.  3100 W. 82d Ave., Brooklyn, N. J.  102 W. 2d Ave., Asbury Park, N. J.  1102 W. 2d Ave., Asbury Park, N. J.  711ton Ave., Red Bank, N. J.  809 St. Nicholas Ave., New York, N. Y.  148 W. 89th St., New York, N. Y.  148 Montros Ave., Rew York, N. Y.  188 Montros Ave., Rew York, N. Y.  188 Montros Ave., Rutherford, N. J.  189 St., New York, N. Y.  180 St., New York, N. Y.  180 St., New Rochelle, N. Y.  180 St., New Rochelle, N. Y.  181 Brunswick St., New York, N. Y.  182 Glard St., New York, N. Y.  183 Ella St., Brooklyn, N. Y.  184 Brunswick St., New York, N. Y.  185 Lik, Woodside, N. Y.  185 Clinton St., Poughkeepsie, N. Y.  185 Rola St., Bloomfield, N. J.  185 Brunswick St., New York, N. Y.  186 St., Bloomfield, N. J.  187 Grant Ave., Poughkeepsie, N. Y.  185 Tast St., Bloomfield, N. J.  185 Brunswick St., New York, N. Y.  185 Bla St., Bloomfield, N. J.  287 Grant Ave., Poughkeepsie, N. Y.  186 St. Bloomfield, N. J.  287 Grant Ave., New York, N. Y.  288 St. St., Brooklyn, N. Y.  287 Grant Ave., New York, N. Y.  288 St. St., Brooklyn, N. Y.  298 St. St., Brooklyn, N. Y.  298 St. St., Brooklyn, N. Y.  298 St. St. St., Brooklyn, N. Y		
2IK	Jensen, Martin	27 Grant Ave., Yonkers, N. Y		
2ARW	Jockers, Edwin B	142 Ridge St., Newark, N. J.	:	
2ASE	Johnson, Axel W	459 E. 135th St., New York, N. Y		
2AIY	Johnson, John A	1026 2d Ave., New York, N. Y		
$_{ m 2VC}^{ m 2ANZ}$	Johnson, Richard H	17 2d St. Woodside, N. V.	:	
2RV	Johnson W Eugene	Grant Ave East Rockaway N Y		
2AAL	Johnson, Richard H Johnson, Theophilus, jr Johnson, W. Eugene Johnstone, George W.	235 Rector St., Perth Amboy, N. J.		
20Y	Jones, Frank. Jones, Robert O. Judson, Joseph E.	1814 Brunswick St., Newark, N. J		
2A0	Jones, Robert O	88 Ella St., Bloomfield, N. J		
2AAQ 2APH	Judson, Joseph E	89 3d St., Keyport, N. J		
2APH 2AJL	Kalbach, Charles Kalning, William C	2211 Andrews Ave., New York, N. Y		
2AJL 2NC	Kalning, William C Katz, Frederick	1464 Seabury Pl New York N V		
2ABH	Kayanagh John	1920 Anthony Ave New York N Y	:	
2VT	Kayser, Herbert	41 Convent Ave., New York, N. Y.	1.	
2VT 2WA	Keers, John K	224 81st St., Brooklyn, N. Y		
2ALR	Kells, David G	253 73d St., Brooklyn, N. Y		
2QX	Keller, George C	2181 Richmond Turnpike, Port Richmond, N. Y		
20N	Kellow, James C	144 Liberty Ave., Jamaica, N. Y	1.	
2NJ 2AEQ	Katz, Frederick Kavanagh, John Kayser, Herbert Keers, John K Kells, David G Keller, George C Kellow, James C Kennedy, Harold J Kienzle, Henry A Kilmer, Theron W	144 Liberty Ave., Jamaica, N. Y. 51 Bainbridge St., Brooklyn, N. Y. 419 E. 79th St., New York, N. Y. 165 W. 85th St., New York, N. Y.	:	
2KX	Tributate, Helif y A	TO MY OF A CA NAME AND A MY		

#### SECOND DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.  326 W. 107th St., New York, N. Y. 778 1st Ave., Upper Troy, N. Y. 317 6th Ave., New Ark, N. J. 438 E. 148th St., New York, N. Y. 199 Lincoln Pl., Brooklyn, N. Y. 239 Bement Ave., West New Brighton, N. Y. 189 Inwood Ave., Montclair, N. J. 509 S. 10th St., Newark, N. J. Harrison, N. Y. 89A Cooper St., Brooklyn, N. Y. 274 W. 135th St., New York, N. Y. 251 Fenimore St., Brooklyn, N. Y. 261 Fenimore St., Brooklyn, N. Y. 274 W. 135th St., New York, N. Y. 262 Willis Ave., New York, N. Y. 279 Webster Ave., New York, N. Y. 279 Webster Ave., New York, N. Y. 279 Webster Ave., New York, N. Y. 270 Webster Ave., New York, N. Y. 270 Woodbridge, N. J. 316 Godwin Ave., Midland Park, N. J. 318 Argyle Rd., Brooklyn, N. Y. 10 Elm St., West Orange, N. J. 114 Artsdale, N. Y. 202 4th St., Union Hill, N. J. 300 Sickles Ave., New Rochelle, N. Y. 343 9th St., Jersey City, N. J. 313 9th St., Jersey City, N. J. 313 9th St., Jersey City, N. J. 314 Strings St., West Hoboken, N. J. 461 Spring St., West Hoboken, N. J. 461 Spring St., West Hoboken, N. J. 461 St. Nicholas Ave., New York, N. Y. 220 Madison Ave., Perth Amboy, N. Y. 210 Amagansett, N. Y. 211 E. West Orange, N. J. 218 St. Nicholas Ave., New York, N. Y. 219 Wester St., East Orange, N. J. 219 W. 94th St., New York, N. Y. 210 Palancey St., New York, N. Y. 210 Palancey St., New York, N. Y. 210 Palancey St., New York, N. Y. 211 St. Nicholas Ter., New York, N. Y. 212 Warson Ave., Navak, N. Y. 213 Horningside Ave., New York, N. Y. 214 Edward St., Schenectady, N. Y. 215 Warson Ave., Newark, N. Y. 216 Compress St., New York, N. Y. 217 Bronkield Pl., Sheepshead Bay, N. Y. 218 Edward St., Ossining, N. Y. 219 Broad St., Bloomfield, N. J. 210 Highland Ave., Bloomfield, N. J. 211 E. 144th St., New York, N. Y. 212 Belancey St., New York, N. Y. 212 Leuton Ave., Bloomfield, N. J. 213 W. 184th St., New York, N. Y. 214 E. Lath St., New York, N. Y. 215 Leith St., New York, N. Y. 216 Congress St., Brooklyn, N. Y. 216 E. Lottlon Ave., Bound Brook, N. J. 211 E. 144th St., New York,	Power.
			Kw.
2AGZ	King, Frank. King, Wendell W. Kirkpatrick, Louis W. Kirschoff, Willard J. Kissick, Robert G. Kleinberger, Richard. Kleppe, Arthur Klopak, Joseph. Klune, Fred C., jr. Knapp, Samuel Knies, Emil H. Knight, Harold E. H.	326 W. 107th St., New York, N. Y	1.0
2Q.D	King, Wendell W	778 1st Ave., Upper Troy, N. Y	1.0
2QD 2FI	Kirkpatrick, Louis W	317 6th Ave., Newark, N. J	
2ANG 2DV	Kirschoff, Willard J	438 E. 148th St., New YOFK, N. 1	
2DV	Kissick, Robert G	230 Rement Ave West New Brighton, N. Y.	
2AEC 2AOH	Vlanna Arthur	189 Inwood Ave., Montclair, N. J	
2AHD	Klopak Joseph	509 S. 10th St., Newark, N. J	
2AND	Klune, Fred C., jr	Harrison, N. Y	
2AND 2DH	Knapp, Samuel	89A Cooper St., Brooklyn, N. Y	:
2AJB	Knies, Emil H	274 W. 135th St., New 1 ork, N. 1	
2APQ	Knight, Harold E. H	3048 Decatur Ave., New York, N. Y.	
OVE	Koch Edward	168 Willis Ave., New York, N. Y	
2APQ 2AET 2VF 2NP	Knies, Emil H Knight, Harold E. H. Knopf, Richard Koch, Edward Koenig, George F Kollock, Alan S Kollock, Alan S Kollock, Arnett W Koyen, Walter R Krech, Karl G Krantz, Hubert K Kreeft, Raymond A Kroger, Ernest G	4279 Webster Ave., New York, N. Y	
2SF	Kollock, Alan S	1009 Walker Ave., Woodhaven, N. Y	
2AAP	Kollock, Arnett W	862 Madison St., Brooklyn, N. Y	
2ANS	Koyen, Walter R	216 Codwin Ave Midland Park N J	100
2BR 2APU	Kreen, Karl G	183 Argyle Rd., Brooklyn, N. Y.	
280	Krooft Raymond A	10 Elm St., West Orange, N. J	1
2SQ 2AAR	Kroger, Ernest G	Hartsdale, N. Y	
2ADS	Laffenandre, Gaston W	Sayville, N. Y	
2PII	Lalley, Joseph F	202 4th St., Union Hill, N. J	
2AQK 2HX 2TY	Kroger, Frnest G Laffenandre, Gaston W Lalley, Joseph F Lambert, Fred F Lane, David M	242 Oth St. Tarsay City N. I.	
2HX	Lane, David M	139 Academy St., Poughkeepsie, N. Y.	
2JS	Lane, George Larkin, James S Larsen, Rudolph Laug, Ernest	66 E. 56th St., New York, N. Y	
2AOE	Larsen, Rudolph	220 Madison Ave., Perth Amboy, N. J	
2AAM	Laug, Ernest	411 Spring St., West Hoboken, N. J.	
2AAM 2APJ	Lauterborn, George E	68 N. Lark St., Albany, N. Y	1.
2MB	Lawrence, George J., jr	841 St Nicholas Ave New York N. Y	100
2KG 2AOJ	Laying, Grant	Larchmont, N. Y.	
2AUJ	Leeb. Henry Lorent	166 Ralston Ave., South Orange, N. J.	1.
2CB 2AIK	Laug, Ernest Lauterborn, George E Lawrence, George J., ir Layng, Grant Leathe, William W Leeb, Henry Lorent Leek, Nathaniel L Le Gallez, Clayton B Lehmann, Erich W. G Leighton, Leo Leiter, David Lemkie, Harry A Lemmon, Walter S Leo, Nelson	Amagansett, N. Y	
2MX	Le Gallez, Clayton B	Slingerlands, N. Y	
2AFR	Lehmann, Erich W. G	36 Steuben St., East Orange, N. J.	
2AKR	Leighton, Leo	262 Delancey St., New York, N. Y.	i.
2ARJ 2WG	Lenkie Harry A	30 Delaware St., Elizabeth, N. J.	
2IE	Lemmon, Walter S	319 W. 94th St., New York, N. Y	
OAND	Leo, Nelson	600 W. 183d St., New York, N. Y.	
2AAV 2AGK 2AEW	Leo, Nelson.  Le Tarte, Augustin J.  Lewis, Edward H.  Leyh, William.  Lindgren, Richard N.	346 McClellan St., Schenectady, N. 1	
2AGK	Lewis, Edward H	1867 Himrod St. Brooklyn N. Y	1.
2AEW	Leyn, William	788 E. 175th St., New York, N. Y	. 1.
2AGC 2ANA	Lingheimer, Carl M	102 Watson Ave., Newark, N. J.	1.
2AHU	Littlefield, Charles E	2672 Mansfield Pl., Sheepshead Bay, N. Y	
2AKP 2JF	Lingheimer, Carl M Littlefield, Charles E Lockard, J. F Lockwood, Nelson W	1 St. Nicholas Ter., New York, N. Y.	1
2JF	Lockwood, Nelson W	237 Prospect St., East Urange, N. J.	
2ABR	Lock Wood, Neison W Lorini, Osmun W Loub, Arthur F Lounsberry, Isaac R Love, John H Love, Graben yen S	445 E 88th St. New York, N. Y.	Contract of the last
$^{2 m VI}_{ m 2BB}$	Lounsberry Tsage R	13 Edward St., Ossining, N. Y.	1.
2AOL	Love, John H.	Barron Ave. High School Building, Woodbridge, N. J	
2AQL 2ED	Lowe, Graham von S	262 W. 77th St., New York, N. Y	
$_{2\mathrm{BZ}}$	Lyman, C. Glenn	Babylon, N. Y.	1
2HO	Lyons, William B	65 Moolis Avo. Bloomfield N. J.	
2ASG	MacBride, William D	131 W 188th St. New York, N. Y.	1.
2ARU 2ABS	Mack Burtis D	Pleasantville, N. Y.	. 1.
2WY	MacLeod, Myron R	530 5th St., Brooklyn, N. Y	
2AOB	Macksond, Michel E	162 Congress St., Brooklyn, N. Y	
2ABM	Magennis, Arthur K	. Edgewater, N. J.	
2AAO 2DK	Maguire, Howard S	217 E 144th St. New York N. Y.	
2DK	Maguire, Neison	207 E. 158th St., New York, N. Y.	
2DC 2ACS	Maier, Flank	211 E. Union Ave., Bound Brook, N. J.	
2KE	Maloney, Joseph T	. 164 E. 82d st., New York, N. Y	10
2GQ	Manning, Charles T	. 81 N. Maple Ave., East Orange, N. J.	
2GQ 2AOM	Manning, Conant	191 Alexander Ave., Montciair, N. J.	1.
2AGB	Love, John Love, Graham von S. Lyman, C. Glenn. Lyons, William B. MacBride, William B. Machlett, Raymond R. Mack, Burtis D. MacLeod, Myron R. Macksond, Michel E. Magennis, Arthur K. Maguire, Howard S. Maguire, Nelson. Maher, Frank. Maier, John C. Maloney, Joseph T. Manning, Charles T. Manning, Conant. Marchant, Ralph. Mardon, F. Herbert. Marshall, Leonard H. Mase, F. Kenneth.	Edgewater, N. J.  814 Lancaster St., Albany, N. Y.  817 E. 144th St., New York, N. Y.  207 E. 158th St., New York, N. Y.  211 E. Union Ave., Bound Brook, N. J.  164 E. 82d st., New York, N. Y.  81 N. Maple Ave., East Orange, N. J.  191 Alexander Ave., Montclair, N. J.  2711 Creston Ave., New York, N. Y.  1309 West Farms Rd., New York, N. Y.  240 Westchester Ave., Rye, N. Y.  358 Moraleman St., Belleville, N. J.	
20X $2AHN$	Mardon, F. Herbert	240 Wostohoster Ave Rve N Y	

#### SECOND DISTRICT—Continued.

#### ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.		
		106 Lewis St., Paterson, N. J. Keyport, N. J. Bayside, N. Y. 65 Osborn St., Keyport, N. J. 1684 Ave. A, New York, N. Y. 143 High St., Montclair, N. J. 319 W. 139th St., New York, N. Y. 157 Elm St., Elizabeth, N. J.	Kw.	
2ALN	Mason, Percy H	106 Lewis St., Paterson, N. J.	0.	
2GX 2AFD	Mason, Samuel F	Reyport, N. J		
2AKK	Massimo, Albert. Maurer, Edward W	65 Oshorn St. Kayport N. I.		
2AHL	May Anthony	1684 Ava A Naw York N V	1.	
28G	May, Fred	143 High St. Montelair, N. J.	1.	
2TD	May, Anthony May, Fred Mayer, Arthur C Mayer, Warren J Mayby, P. Alen in	319 W. 139th St., New York, N. Y.		
2AGG	Mayer, Warren J	157 Elm St., Elizabeth, N. J		
2HP	Mayhew, B. Alan, jr McCarthy, George W. McClintock, George C. McClintock, Ralph W. McCarthy, Denial	Tenafly, N. J	1.	
2VX	McCarthy, George W	1012 Sutter Ave., Brooklyn, N. Y		
2IL	McClintock, George C	319 Dudly Ave., Westfield, N. J		
2GP 2HA	McCon Doniel	125 High St., Nutley, N. J		
2ARK	McCoy, Daniel	R F D No 2 Packskill N V	1.	
2BY	McHugh John A	23 Woodland Pl White Plains N Y	:	
2BO	McHugh, John A. McIntire, Meylert A. McKee, Clarence A.	1127 Avenue G., Brooklyn, N. Y.		
2HM	McKee, Clarence A	821 E. 216th St., New York, N. Y.		
2AJO	McKenna, John R	134 Shonnard Ter., Yonkers, N. Y	1.	
2EY	McKinney, Fred J McLean, True	300 Glenwood Ave., Bloomfield, N. J.		
2ANE	McLean, True	38 Central Ave., Tompkinsville, N. Y	1.	
2PI	McMonagle Deniel J	100 Francisco Ave., Kutherford, N. J.		
2AEO 2ALF	McLoughlin, Robert J. McMonagle, Daniel J. Manchee, Alleyne W.	157 Elm St., Elizabeth, N. J. Tenafly, N. J. 1012 Sutter Ave., Brooklyn, N. Y. 319 Dudly Ave., Westfield, N. J. 125 High St., Nutley, N. J. 45 Lee Ave., Yonkers, N. Y. R. F. D. No. 2, Peekskill, N. Y. 23 Woodland Pl., White Plains, N. Y. 1127 Avenue G., Brooklyn, N. Y. 124 Shonnard Ter., Yonkers, N. Y. 134 Shonnard Ter., Yonkers, N. Y. 136 Glenwood Ave., Bloomfield, N. J. 138 Central Ave., Tompkinsville, N. Y. 159 Francisco Ave., Rutherford, N. J. 157 159th St., Brooklyn, N. Y. 158 Highland Ave., Newark, N. J. Marlboro, N. J.	:	
2AKL	Maran Joseph F	745 Highland Ave., Newark, N. J. Marlboro, N. J. 236 Decatur St., Brooklyn, N. Y. 990 Ist Ave., New York, N. Y. Lynbrook, N. Y. 27 Zabriskie St., Jersey City, N. J. Lloyd, N. Y. 501 Sixth St., Brooklyn, N. Y.		
2LI	Meacham, Fredk, C., ir	236 Decatur St., Brooklyn, N. Y.	:	
2NV	Meacham, Fredk. C., jr Meder, George C. Meier, Robert A	990 1st Ave., New York, N. Y	1.	
20F	Meier, Robert A	Lynbrook, N. Y	1.	
2AAW 2AAE	Meinecke, Ernest	27 Zabriskie St., Jersey City, N. J	:	
2AAE	Mekeel, Arthur H	Lloyd, N. Y.		
2AW	Melville, Richard T	501 Sixth St., Brooklyn, N. Y.		
2ALC 2SL	Merrinew, John E., Jr	Lyphrook N. Y	1.	
2NO	Melville, Richard T. Merrihew, John E., jr. Merrill, J. Stewart Merritt, Frank	28 Spring St. Red Bank N. I	1.	
2AHG	Mersfelder, J. Henry, jr	792 S. 13th St., Newark, N. J.	:	
20G	Meuke, Charles H	135 Corlies Ave., Asbury Park, N. J.		
2ANU	Meuke, Charles H Midgley, Herbert Miller, Eugene B	59 Brewster St., Tompkinsville, N. Y	1.	
2IF	Miller, Eugene B	4 New Vanderbilt Ave., Jamaica, N. Y	1.	
2ACY	Miller, Fred W	12 Hicks Ave., Winfield, N. Y		
2AIV 2ID	Miller, George. Miller, John W., jr Miller, Raymond H Mitchell, Clifford E	110 Smith St. Pooledrill N. V.		
2ARQ	Miller Raymond H	327 Hillside Ave Newark N I	1.	
2ADI	Mitchell Clifford E	79 Walnut St., Walden, N. Y.	1.	
2NI	Moles, Charles E	229 Valentine Lane, Yonkers, N. Y		
2MI	Morris, Earle S	1192 Dean St., Brooklyn, N. Y		
2LN	Morrison, Clifford P Moses, Abram W Moss, Sidney W	2513 Catalpa Ave., Brooklyn, N. Y	1.	
2MT	Moses, Abram W	270 E. 161st St., New York, N. Y		
2GM	Moss, Sidney W	56 Taylor Pl., So. Orange, N. J.		
2PO 2KS	Mott, Harold	70 Hillerest Ave Vonkers N V	1.	
2HY	Muckenhaupt, Carl F	317 Church St., Poughkeepsie, N. Y	1.	
2AML	Mueller, Carl F., ir	440 Monroe Ave., Elizabeth, N. J	1.	
2AIL	Mott, Harold Mowton, Edward M Muckenhaupt, Carl F Mueller, Carl F, jr Muleahy, Frank H Mulford, Harold C Muller, Herbert W Muller, Henry G Muller, Julius A, jr Mulligan, Harry G Mulvaney, Thomas Murphy, Dennis Murray, Charles Murray, Stephen A Murray, William E Myers, Austin S Nelson, Irving J	444 E. 169th St., New York, N. Y		
2AG	Mulford, Harold C	6 Weekes Ave., Oyster Bay, N. Y	:	
2AFY	Muller, Herbert W	203 E. 71st St., New York, N. Y		
2AOI	Muller, Henry G	541 W. 123d St., New York, N. Y		
2HJ 2GO	Mulligen Herry C	256 Madison Ava Albany N V	:	
2ALQ	Mulvaney Thomas	1903 Barnes Ave. Westchester N V	,	
2GI	Murphy, Dennis	9 Ingram St. Yonkers, N. Y	:	
2SK	Murray, Charles	Great North, N. J.	:	
2AFQ	Murray, Stephen A	401 Manhattan Ave., New York, N. Y		
2FT	Murray, William E	521 N. James St., Peekskill, N. Y		
2ABA	Myers, Austin S	129 Wallace Ave., Mt. Vernon, N. Y	1.	
2ANO	Nelson, Irving J	80 E. 115th St., New York, N. Y		
2GU	New York Catholic Protec-	warker Ave., westchester, N. Y		
	tory. New York Engineering College. See Harrietts, James	27 Zabriskie St., Jersey City, N. J. Lloyd, N. Y. Soll Sixth St., Brooklyn, N. Y. Northport, N. Y. Lynbrook, N. Y. Lynbrook, N. Y. Lynbrook, N. Y. 28 Spring St., Red Bank, N. J. 792 S. 13th St., Newark, N. J. 135 Corlies Ave., Asbury Park, N. J. 59 Brewster St., Tompkinsville, N. Y. 4 New Vanderbilt Ave. Jamaica, N. Y. 12 Hicks Ave., Winfield, N. Y. Huntington Station, N. Y. 119 Smith St., Peekskill, N. Y. 270 Hillside Ave., Newark, N. J. 270 Walnutt St., Walden, N. Y. 219 Valentine Lane, Yonkers, N. Y. 1192 Dean St., Brooklyn, N. Y. 271 Catalpa Ave., Brooklyn, N. Y. 270 E. 161st St., New York, N. Y. 270 Hillcrest Ave., Far Rockaway, N. Y. 270 Hillcrest Ave., Vonkers, N. Y. 317 Church St., Poughkeepsie, N. Y. 440 Monroe Ave., Elizabeth, N. J. 444 E. 169th St., New York, N. Y. 541 W. 123d St., New York, N. Y. 542 N. James St., Peekskill, N. Y. 543 N. James St., Peekskill, N. Y. 544 N. J. 545 N. James St., Peekskill, N. Y. 546 N. J. 547 N. J. 548 N. J. 549 Vallace Ave., Westchester, N. Y. 549 Wallace Ave., Westchester, N. Y. 551 N. James St., Peekskill, N. Y. 552 N. James St., Peekskill, N. Y. 553 N. James St., Peekskill, N. Y. 554 N. James St., Peekskill, N. Y. 555 N. Y. Walker Ave., Westchester, N. Y. 556 N. Y. Walker Ave., Westchester, N. Y.		
2NW	B. New York School of Teleg-	2-14 W. 125th St., New York, N. Y		
2AKD	raphy. Nichols, Robert W	708 1st Ave Ashury Park N I		
2NN 2AHP	Nightingale, John J. Noble, J. Kendrick. Nolan, Frank J.	103 17th Ave., Paterson, N. J	1.	
ZAHL	I NOOIE, J. Kendrick	AAL N DECOMENS Y OURSES N Y	1.	

**54257°—16——7** 

#### SECOND DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
		449 E. 183d St., New York, N. Y. 906 St. Marks Ave., New York, N. Y. 1005 Emory St., Asbury Park, N. J. 285 E. 157th St., New York, N. Y. 7 Nassau Ave., Freeport, N. Y. 759 Franklin Ave., Brooklyn, N. Y. 543 17th St., West New York, N. J. 511 Ave. A., Bayonne, N. J. 1046 Summit Ave., New York, N. Y. 4035 Park Ave., New York, N. Y. 4035 Park Ave., New York, N. Y. 4035 Park Ave., New York, N. Y. 4048 Stebbins Ave., New York, N. Y. 4048 Stebbins Ave., New York, N. Y. 405 Stebbins Ave., New York, N. Y. 406 Union Ave., Belleville, N. J. 407 Union St., Schenectady, N. Y. 407 Van Pelt St., Long Island City, N. Y. 4099 Esplanade, Pelham Manor, N. Y. 408 Stebbins Av., M. Y. 4099 Esplanade, Pelham Manor, N. Y. 4099 Esplanade, Pelham Manor, N. Y. 4090 St., Newark, N. J. 400 Jan. A. Stebbins Ave., York, N. Y. 400 Posper Ave., Passaic, N. J. 401 Orienton Ave., Yonkers, N. Y. 402 St., Brooklyn, N. Y. 4037 Gregory Ave., Passaic, N. J. 404 St., Newark, N. J. 405 Forbust, Newark, N. J. 407 Gregory Ave., Passaic, N. J. 408 N. Parkway, East Orange, N. J. 409 Powell Ave., Rockville Center, N. Y. 401 Powell Ave., Rockville Center, N. Y. 401 Powell Ave., Rockville Center, N. Y. 402 St., New York, N. Y. 4030 Orient Way, Rutherford, N. J. 404 Clitton Pl., Brooklyn, N. Y. 405 Maple St., Yonkers, N. Y. 406 Maple St., Yonkers, N. Y. 407 Maple St., Jone Watherly, N. Y. 408 R. Parkway, East Orange, N. J. 409 Forbect St., Irvington, N. Y. 410 Forbert Way, Rutherford, N. J. 411 Handway, N. Y. 412 Sterman Ave., New York, N. Y. 412 Sterman Ave., New York, N. Y. 413 Clittin Pl., Brooklyn, N. Y. 414 Clittin Pl., Brooklyn, N. Y. 415 Maple St., Yonkers, N. Y.	Kw.
2KF	Nolan, George T	449 E. 183d St., New York, N. Y	0.
2AGO 2APB	Norris, Robert P	906 St. Marks Ave., New York, N. Y	:
2OL	Nolan, George T. Norris, Robert P. Obert, J. Edwin O'Brien, Laurence J. O'Brien, Thomas	285 E. 157th St., New York, N. Y.	
2CK	O'Brien, Thomas	7 Nassau Ave., Freeport, N. Y.	1.
2KU	Oehmen, Oscar	759 Franklin Ave., Brooklyn, N. Y	
2ALS	Oetjen, John J. Oliver, George E. Olsen, Arthur C.	543 17th St., West New York, N. J.	
2UV 2ABW	Olsen Arthur C	1046 Summit Ave New York N Y	
2ACP	Olson, Alfred E	4035 Park Ave., New York, N. Y	
2AKG	Olson, George I	1348 Howard St., Peekskill, N. Y	:
2BU	Olson, Oscar A	948 Stebbins Ave., New York, N. Y	
$^{2\mathrm{OM}}_{2\mathrm{QU}}$	Oshorne I Spencer	164 Union Ave Belleville N. J.	
2AIN	Ostrewich, Thaddeus	116 Waverly Pl., New York, N. Y	
2AFT	Oudin, C. Folger	7 Union St., Schenectady, N. Y	
2 RE	Pacent, L. Gerard	397 Van Pelt St., Long Island City, N. Y	1.
2AEX 2NK	Palm I Adam	18 14th Ave Mt Vernon N Y	
2AQH	Olson, George I Olson, Osear A. O'Mar a, Edward F. Osborne, J. Spencer. Ostrewich, Thaddeus. Oudin, C. Folger. Pacent, L. Gerard. Paige, John S. Palm, J. Adam. Palmer, Thomas. Pate, W. Schuyler. Patton, Norman F. Pawlev, Myron G.	18 Fulton St., Newark, N. J.	
2GK	Pate, W. Schuyler	8 Douglas Rd., Glen Ridge, N. J.	1.0
210	Patton, Norman F	257 W. 92d St., New York, N. Y	
2ARI 2AZ	Pawley, Myron G	307 Gregory Ave. Passaic N. I.	
2WH	Pawley, Myron G. Pearl, Eugene S. Pearsall, Arthur R.	197 Warburton Ave., Yonkers, N. Y.	
2ALU	Peiler, Harold L	321 E. 90th St., New York, N. Y	1.0
2PH	Pendleton, Archibald	49 Pendleton Pl., New Brighton, N. Y.	1.0
$2\mathrm{MD} \\ 2\mathrm{AAZ}$	Pendleton, Harold A	15 Roldwin St. Nowark N. I	
2ADZ	Perkins William J	425 75th St., Brooklyn, N. Y.	
2ARL	Perry, Irving D	68 N. Parkway, East Orange, N. J.	
2AEJ	Pettit, Mortlock S	88 Fanshawe Ave., Yonkers, N. Y	1.0
${}^{2{ m FA}}_{2{ m NZ}}$	Pfeiler, Clarence H	242 Cottage St., Klugewood, N. J	.5
2AIC	Pendleton, Harold A. Pennell, Vere F. Perkins, William J. Perry, Irving D. Pettit, Mortlock S. Pfeifer, Clarence H. Pfeil, A. Leslie. Pfaltz, Orlando R. Phelan, Charles W. Picken, James C., jr. Pieri, Donald. Plauth, William. Plummer, James A. Pohlman, Lauren V. Poling, Gifford.	512 W. 122d St., New York, N. Y	.5
2UX	Phelan, Charles W	61 Powell Ave., Rockville Center, N. Y	1.0
2RX	Picken, James C., jr	125 Sherman Ave., New York, N. Y	1.0
2AIO 2ARB	Planth William	170 Euclid Ave Brooklyn N Y	1.6
2KW	Plummer, James A	340 Orient Way, Rutherford, N. J.	1.0
2ACL	Pohlman, Lauren V	424 Brandywine Ave., Schenectady, N. Y	1.0
2ACC 2AIZ	Poling, Gifford	Keyport, N. J	1.0
2WC	Poling, Russell H Pollock, J. Millard Poole, William C. Pope, Frederick B	34 Clifton Pl., Brooklyn, N. Y.	.5
2WT	Poole, William C	53 Maple St., Yonkers, N. Y	.5
2PF	Pope, Frederick B	24 Carroll St., Yonkers, N. Y	.5
$rac{2  ext{AEY}}{2  ext{RJ}}$	Poppele, Jacob, jr	1700 Ditmes Ave. Brooklyn N V	.5 .5
2DQ	Porter, Roland W	1991–1993 Washington Ave., New York, N. Y	.5
20 P	Prendergast, Robert M	174 4th St., Union Course, N. Y	.5
2APP	Prinz, Peter J.	28 Hanson Pl., Jamaica, N. Y	1.0
2ABV 2APM	Prendergast, Robert M. Prinz, Peter J. Pulsifer, Frederic K., jr. Purvis, Harry. Pruden, Harold M.	Keyport, N. J. Keyport, N. J. Keyport, N. J. 34 Clitton Pl., Brooklyn, N. Y. 53 Maple St., Yonkers, N. Y. 24 Carroll St., Yonkers, N. Y. 28 Jacob St., Newark, N. J. 1700 Ditmas Ave., Brooklyn, N. Y. 1991-1993 Washington Ave., New York, N. Y. 174 4th St., Union Course, N. Y. 28 Hanson Pl., Jamaica, N. Y. 353 Ridgewood Ave., Glen Ridge, N. J. 500 W. 173d St., New York, N. Y. 142 N. 15th St., East Orange, N. J. 471 75th St., Brooklyn, N. Y.	.5
2JP	Pruden, Harold M	142 N. 15th St., East Orange, N. J	.5
2EI	Quick, Henry C	471 75th St., Brooklyn, N. Y	.5
2AGY			
2ARH	Randell Edward I	Fort Totten, N. Y	.5
2TK	Randolph, Randolph A	558 W. 165th St., New York, N. Y	.5
2AED	Rappolt, Frank A	1879 Morris Ave., New York, N. Y	
2AFG	See Ellingham, Irving. Randell, Edward J. Randolph, Randolph A. Rappolt, Frank A. Rattner, Manuel. Rau Larges F.	Fort Totten, N. Y.  558 W. 165th St., New York, N. Y.  1879 Morris Ave., New York, N. Y.  36 Union St., Poughkeepsie, N. Y.  51 Sland Heights, N. J.  50 Shepherd Ave., Brooklyn, N. Y.  Freeport, N. Y.  2249 82d St., Brooklyn, N. Y.  26 College Pl., Newark, N. J.  Keyport, N. J.  79 10th St., New Dorp, N. Y.  Belford, N. J.	.5
2ARO 2ANH	Raufer Frank I	50 Shepherd Ave. Brooklyn, N. Y.	1.0
20E	Rau James F. Rau James F. Raufer, Frank J. Raynor, Sinclair L. Redfern, William W., jr. Reed, Cecil J.	Freeport, N. Y	1.0
2AJD	Redfern, William W., jr	2249 82d St., Brooklyn, N. Y.	555555555555555555555555555555555555555
$^{2\mathrm{AJH}}_{2\mathrm{ABZ}}$	Reed, Cecil J	Zo College Pl., Newark, N. J	. 5
2ABZ 2JV	Regall, Claude	79 10th St., New Dorp, N. Y	.5
2ACF	Reichman, John T	79 10th St., New Dorp, N. 1  Belford, N. J.  9808 Fort Hamilton Ave., Brooklyn, N. Y.  580 W. 161st St., New York, N. Y.  Huntington, N. Y.  480 9th Ave. New York, N. Y.	. 5
2AJT	Reilly, Hugh	9808 Fort Hamilton Ave., Brooklyn, N. Y	.5
2RH	Reiss, Lester	580 W. 161st St., New York, N. Y	. 5
$^{2\mathrm{AJM}}_{2\mathrm{RB}}$	Reich, Herbert J Reichman, John T Reilly, Hugh Reiss, Lester Requa, Reginald C Reuman, William H	480 9th Ave., New York, N. Y	.5
2AHQ	Revie, Staniev	425 Vall Relpell Ave., Jelsey City, IV. J	.5
2AEI	Reynolds, Albert S	222 S. Clinton St., East Orange, N. J.	

#### SECOND DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Powe
	100		Kw
2AAT	Reynolds, Palmer W Reynolds, Thomas A	3 N. Terrace Ave., Mt. Vernon, N. Y. 16 Camp Woods Rd., Ossining, N. Y. 715 St. Nicholas Ave., New York, N. Y. 16 Culver St., Yonkers, N. Y. 554 W. 184th St., New York, N. Y. 148 Blvd., Rockaway Beach, N. Y. 147 Wisner Ave., Middletown, N. Y. 110 Catalpa Ave., Perth Amboy, N. J. Babylon, N. Y. 614 5th Ave., Upper Troy, N. Y. Tenafly, N. J. 19509 Hollis Ave., Hollis, N. Y. 125 Hunter Ave., Long Island City, N. Y. 98 Piermont Ave., Nyack, N. Y.	0
2ACG 2AJZ	Reynolds, Thomas A	16 Camp Woods Rd., Ossining, N. Y	
2ACU	Rice, Robert	16 Culver St. Vonkers N. V.	
ZAHZ	Richardson, John R Richfield, Nicholas Richter, Robert	554 W. 184th St., New York, N. Y	. 1
2AOG	Richter, Robert	148 Blvd., Rockaway Beach, N. Y.	1
2AGP	Ripperger, Clinton	147 Wisner Ave., Middletown, N. Y	
2CV	Ripperger, Clinton Ritter, Alexander Robbins, Walter G Robbins, William E, jr Roberts, A. Perry Roberts, Hugh V Robertson, Gus Robertson, Merle E Robertson, William L Robinson, Christopher S Roche, Walter J Rock, Leroy W Roehrich, Henry Rogers, John	110 Catalpa Ave., Perth Amboy, N. J.	
2CU 2CD	Robbins, Walter G.	Babylon, N. Y.	
2LC	Roborts A Porry	Topofly N. I	
2AKB	Roberts, Hugh V	19509 Hollis Ave. Hollis, N. V	
2VE	Robertson, Gus	125 Hunter Ave., Long Island City, N. Y	
2VE 2KT	Robertson, Merle E	98 Piermont Ave., Nyack, N. Y	
2QR	Robertson, William L	57 Montross St., Rutherford, N. J	
2AKH 2AH	Robinson, Christopher S	113 Johnson St., Highland Park, N. J.	
2HE	Rock Lorov W	2 IIVING FL., Jamaica, N. Y	
2AMZ	Roehrich Henry	2 Belmont Ave Garfield N I	
2ACO	Rogers, John	13 W. 100th St., New York, N. Y.	
2AOQ	Rogers, John	76 Fox Ter., Dunwoodie, N. Y.	
2ADG	Rosa, Harry D	52 Gate St., Poughkeepsie, N. Y	
2AGQ	Rosa, Harry D Rosenberg, Uda B Rossner, James E	2116 Honeywell Ave., New York, N. Y	
2AHH 2FN	Rossner, James E	2316 Glosson Ave. New York N. Y.	
2AJE	Roth, August F	107 Clifton Ave Newerk N I	
2TH	Roy, James A. S.	59 Park Ter., West Orange, N. J.	
2AMJ	Roy, James A. S. Ruddy, George F. Ruhlmann, Ernest R.	186 High St., Perth Amboy, N. J.	
2JI	Ruhlmann, Ernest R	97 W. 34th St., Bayonne, N. J	
2AHT	Rupert, Stephen E. G	107 2d St., Pelham, N. Y	
2ANP 2AAM	Valentine, Russell D Russo, Ernest O	Atlantia City, N. T.	
2DE	Ruttmann, Ferdinand	605 W 141st St New York N V	0
2WL	Ryan, Lester F	18 Kosciusko St., Brooklyn, N. Y	
2DM	Ryan, Lester F Sachs, Harold	11 E. 68th St., New York, N. Y.	
2ACJ	Saenz de Calahorra, Amadeo.	146 W. 65th St., New York, N. Y	
2SB	Sangree, Ernest M	1807 Ditmas Ave., Brooklyn, N. Y	
2AEN	Saxton, Herbert. Sayres, Ralph A	215 Bidwell Ave., Jersey City, N. J.	
2LH 2KS	Schabbehar, Edwin A	412 Village Ave Hemneteed N V	
2AFI	Schaefer, Charles	2027 Webster Ave., New York, N. Y.	
2CS	Schaefer, Charles L. Schaefer, Maximillian Schaefer, Regnell C. Schaefer, Adolph Schanck, Henry S.	201 Broadway, Port Richmond, N. Y	3
2ANW	Schaefer, Maximillian	73 W. 115th St., New York, N. Y	
2KQ	Schaefer, Regnell C	185 N. 16th St., East Orange, N. J.	
2AFH 2AAN	Schanek Hopey S	1487 NOSTRAND AVE., Brooklyn, N. Y	
2APK	Schedler Herbert D	1024 Summit Ave Tersey City N I	
2BF	Schedler, Herbert D	35 Grasmere Ave., Grasmere, N. Y	
2AGL	Schenone, John	15 1st St., Keyport, N. J.	
2AGT	Schenone, John Schleckser, Raymond R	12 Fabyan Pl., Newark, N. J.	
2AOZ	Schlitz, Karl W Schmelzer, Gerhard	28 Jefferson St., Brooklyn, N. Y	
2AJW 2AIE	Schmelzer, Gerhard Scholz, Frank A.	251 Now York Ave. Newerk N. I	-
2PD	Schomp, Roy	76 Undercliff Ave., Edgewater N I	
2AU	Schomp, Roy Schram, John, jr Schroeder, Henry Schuck, Charles H Schwarz, Sylvan S	283 E. 32d St., Brooklyn, N. Y	
2ASJ	Schroeder, Henry	23 N. 12th St., Haledon, N. J.	
2HI	Schuck, Charles H	1966 University Ave., New York, N. Y	
2AKX	Schwarz, Sylvan S	30 Osborne Ter., Newark, N. J.	
2PQ 2ND	Schwartz, Max B. Schweizer, Charles L	710 2d Ave. Procedure N.Y.	
2ND 2IN	Scofield Robert W	87 Macon St. Brooklyn N V	
2AQG	Scofield, Robert W Scott, Walter F. Scull, Walter	207 N. 11th St., Newark, N. I	
2AQG 2AIU	Scull, Walter	260 Fairmount Ave., Jersey City, N. J.	
2AJR	Seckel, William	220 Wadsworth Ave., New York, N. Y	
2AN	Sedlak, Conrad J	633 Main St., New Durham, N. J.	
2ACM	Scull, Walter. Seckel, William Sedlak, Conrad J Segall, Louis M Seller, Frank B Seitz, Wesley. Shaw, Albert E., jr Shaw, Horace S Sheldon, Henry B Showatter, John W Shield, Frederic K	1832 both St., Brooklyn, N. Y	
2AMC 2ANK	Soitz Wesley	7 Saitz Court Patchague N V	
2ANX	Shaw, Albert E ir	1060 72d St., Brooklyn, N. V	
2PZ	Shaw, Horace S	391 St. Johns Pl., Brooklyn, N. Y.	
2ALM	Sheldon, Henry B	26 Main St., Keyport, N. J.	
2AQY	Showalter, John W	333 Birch St., Riehmond Hill, N. Y.	
2CG	Shield, Frederic K	23 Second Ave., Highland Park, N. J	
2AOR 2OU	Shirvell, Ernest J. A Siebert, Walter Siegmann, Harry E. Sievering, Harry W.	614 5th Áve., Upper Troy, N. Y. Tenafly, N. J. 19509 Hollis Ave., Hollis, N. Y. 125 Hunter Ave., Long Island City, N. Y. 98 Piermont Ave, Nyack, N. Y. 57 Montross St., Rutherford, N. J. 113 Johnson St., Highland Park, N. J. 2 Irving Pl., Jamaica, N. Y. 201 Beach St., Red Bank, N. J. 2 Irving Pl., Jamaica, N. Y. 201 Beach St., Red Bank, N. J. 2 Belmont Ave., Garfield, N. J. 13 W. 100th St., New York, N. Y. 25 Gate St., Poughkeepsie, N. Y. 216 Fox Ter., Dunwoodie, N. Y. 25 Gate St., Poughkeepsie, N. Y. 216 Gleason Ave., New York, N. Y. 31 Grove Ave., Albany, N. Y. 31 Grove Ave., Albany, N. Y. 31 Grove Ave., Albany, N. Y. 31 Grove Ave., New York, N. Y. 31 Grove Ave., New York, N. Y. 31 Grove Ave., New York, N. Y. 31 Grove Ave., West Orange, N. J. 32 Holling St., Perth Amboy, N. J. 37 W. 34th St., Bayonne, N. J. 38 High St., Perth Amboy, N. J. 39 Park Ter., West Orange, N. J. 30 Amboy Ave., Woodbridge, N. J. 41 Atlantic City, N. J. 605 W. 141st St., New York, N. Y. 41 E. 68th St., New York, N. Y. 416 W. 65th St., New York, N. Y. 418 W. 65th St., New York, N. Y. 4197 Ditmas Ave., Brooklyn, N. Y. 412 Village Ave., Hempstead, N. Y. 4021 Broadway, Port Richmond, N. Y. 403 W. 115th St., New York, N. Y. 404 W. 15th St., New York, N. Y. 405 W. 115th St., New York, N. Y. 407 Wain St., Keyport, N. J. 4084 Central Ave., Brooklyn, N. Y. 4084 Summit Ave., Brooklyn, N. Y. 4094 Summit Ave., Brooklyn, N. Y. 4095 Horandway, Port Richmond, N. Y. 401 Broadway, Port, N. J. 4024 Summit Ave., Brooklyn, N. Y. 403 Wain St., Keyport, N. J. 404 Summit Ave., Brooklyn, N. Y. 405 Ist St., Keyport, N. J. 406 University Ave., New York, N. Y. 407 N. 11th St., Newark, N. J. 408 Grammit Ave., Brooklyn, N. Y. 4096 University Ave., New York, N. Y. 4000 Featmount Ave., Newark, N. J. 4097 N. 11th St., Newark, N. J. 4096 University Ave., New York, N. Y. 4000 Featmount Ave., Helmond, N. Y. 401 Broadworth Ave., Newark, N. J. 401 Broadworth Ave., New York, N. Y. 401 Broadworth Ave., New York, N. Y. 4020 Wadsworth Ave., New York, N. Y. 403 Awe, Brooklyn, N	
2GV	Siegmann Harry E	36 Davis St. Rockville Center N. V	
2AGV	TT TT	The state of the s	

#### SECOND DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
2AAD	Silleck, William C	388 E. 144th St., New York, N. Y. Ridgewood Ave. and Spruce St., Richmond Hill, N. Y.	0 5
2APD	Skinner, William	Ridgewood Ave. and Spruce St., Richmond Hill, N. Y.	.5
$^{2\mathrm{BI}}_{2\mathrm{AQI}}$	Slater, Harry	Ridgewood Ave. and Spruce St., Richmond Hill, N. Y. 156 19th St., Brooklyn, N. Y. 154 19th St., Brooklyn, N. Y. 572 W. 187th St., New York, N. Y. 572 W. 187th St., New York, N. Y. 1017 South Ave., Westfield, N. J. 327 E. 27th St., New York, N. Y. 185 Brooklyn Ave., Brooklyn, N. Y. Valley Stream, N. Y. 43 Norton Ave., Port Chester, N. Y. Lawrence, N. Y. 129 N. 14th St., East Orange, N. J. 152 Croton Ave., Ossining, N. Y. 207 Wegman Parkway, Jersey City, N. J. 620 46th St., Brooklyn, N. Y. 56 Columbia St., New York, N. Y. 150 2d Avé., Newark, N. J. 29 Odell St., Schenectady, N. Y. 32 Raynor St., Freeport, N. Y.	
2AQU	Smith, E. Carter	572 W. 187th St., New York, N. Y.	
2JB	Smejkal, Harry. Smith, E. Carter. Smith, Clarence B., jr.	1017 South Ave., Westfield, N. J.	1.0
2AFX	Smith, Edward J	327 E. 27th St., New York, N. Y	
2KP	Smith, Edward J Smith, Edgar T Smith, J. Owne Smith, Nelson M Smith, Nelson V Smith, Ralph C Smith, Robert W Smith, William W Solberg, Walter Sommer, Isidor Sonn. Albert E	185 Brooklyn Ave., Brooklyn, N. Y	1.0
2LK 2IV	Smith, J. Owne	Valley Stream, N. Y	4.5
2JO	Smith Nelson V	Lawrence, N. Y	1.0
2AEU	Smith, Ralph C	129 N. 14th St., East Orange, N. J.	1.0
2ABQ	Smith, Robert W	152 Croton Ave., Ossining, N. Y	
2AMF	Smith, William W	207 Wegman Parkway, Jersey City, N. J	1.0
2KH	Solberg, Walter	56 Columbia St. New York N. Y	- 5
2AQV 2GC	Sonn, Albert E	150 2d Ave Newark N I	1.0
2RP	Sorgeus, Walter M Southard, Sealey M South Side High School Ra-	29 Odell St., Schenectady, N. Y.	1.0
2ARE	Southard, Sealey M	32 Raynor St., Freeport, N. Y	.5
	South Side High School Ra-		
	dio Club. See Hunkins,		
2ALJ	Carl J.	103 1st Ave Highland Park N I	-
2KZ	Spalding, Kenneth W	501 Argyle Rd., Brooklyn, N. Y.	.5
2IM	Spader, William V Spalding, Kenneth W Spangenberg, Lester	25 S. 4th St., Lakeview, N. J	1.0
$_{2\mathrm{WP}}$	Spannaus, Charles O	660 W. 180th St., New York, N. Y.	.5
2RF	Springer, C. Meredith	8 Ithaca St., Elmhurst, N. Y.	.5
2UY 2AOU	Spangenberg, Lester. Spannaus, Charles O Springer, C. Meredith. Squire, Milford. Stadler, Reuben L. Stanler, Howard I. Stanley, Howard I. Stanley, Walter N. Stantley, Joseph J. Stanton, Walter A. Starrett, John Steinkamp. Harold	304 McNeel St. Millville N. I.	.5 .5 .5 .5 .5 .5 .5
2APC	Stanard. John	1974 University Ave., New York, N. Y.	5
2FS	Stanley, Howard L	Babylon, N. Y.	.5
2AL	Stanley, Walter N	654 Putnam Ave., Brooklyn, N. Y	.5
2AKC	Stantley, Joseph J	5 Hampton Court Ter., Jersey City, N. J.	.5
2AGS 2AEE	Stanton, Walter A	440 McDonough St. Brooklyn, N. Y.	.5
2VW	Steinkamp, Harold Steinger, Harry C Sterns, Morton W Stevens, Fred Stevens, Fred	89 Hyatt Ave., Yonkers, N. Y.	.5
2VW 2AJN	Stenger, Harry C	484 Onderdonk Ave., Brooklyn, N. Y	.5 .5 1.0
2AB	Sterns, Morton W	705 W. 179th St., New York, N. Y.	1.0
2AFL	Stevens, Fred	15 Wood Pl., Yonkers, N. Y	.5
2HS 2UZ	Stewart G Edwin	45 Hillside Ave Rockville Center N V	.0
ZAKA	Stewart, Guy A., ir	404 S. 1st Ave., Mt. Vernon, N. Y.	.5
2ADA	Stewart, Douglass Stewart, G. Edwin Stewart, G. Edwin Stewart, Guy A., jr. Stimpson, Warren E. Storrs, William K.	1933 Daly Ave., New York, N. Y	.5 .5 1.0
2AAC	Storrs, William K	513 E. 144th St., New York, N. Y	.5
$_{ m 2AJQ}_{ m 2AEV}$	Stratton, L. Brainerd Strauss, Maurice B	44 Seneca St., Uneida, N. Y.	.5
2HR	Summerville, Christopher	4 Jones Pl., Yonkers, N. Y	1.0
2AKI	Summerville, Christopher Sypher, Edgar L., jr	138 New York Ave., Jamaica, N. Y.	.5
2KO	Tamburino, Anthony	1632 Parker St., New York, N. Y	.5
2AEL	Tamburino, Anthony. Tannenbaum, Samuel. Taylor, George W. Taylor, K. Allan Teets, Albert S. Tennon, Evans H. Torbune, Frank	86 Warburton Ave., Yonkers, N. Y	1.0
2GS 2AGH	Taylor, George W	576 Medicon Ave. Fligsboth N. I.	.5
2IS	Teets, Albert S.	Hillside Ave., Peekskill, N. Y.	.5 .5
2AMU	Tennon, Evans H	705 1st Ave., Asbury Park, N. J.	.5
2ACZ	Terhune, Frank	167 High St., Passaic, N. J.	.5
2AHO	Tennon, Evans H Terhune, Frank Thornhill, Sewell E Thornton, Joseph Thiede, Ferdinand C Thomas, Alonzo E., jr Thompson, Harold Thomson, John M., jr Tirrell, Walter H Tong, Myron A. Touroff, Sigmund	Sayville, N. Y	.5 .5 .5 .5 .5 .5
2APA 2EC	Thiede Ferdinand C	486 Decetur St. Brooklyn N. V	. 5
2PJ	Thomas, Alonzo E., ir	176-A Union St., Jersey City, N. J.	.5
2AIW	Thompson, Harold	21 Rose St., Paterson, N. J.	.5
2AOP	Thomson, John M., jr	22 Bloomfield Ave., Passaic, N. J.	.5
2ASI 2OR	Tong Myron A	20 Rutland Rd., Brooklyn, N. Y	.5
2AEP	Touroff Sigmund	1820 Topping Ave. New York N Y	1.0
2AOD	Townley, Harold C	505 Kimball Ave., Westfield, N. J.	1.0
2CF	Touroff, Sigmund	20 Cottage Place, Yonkers, N. Y.	.5
2ALH	Trautwein, Charles F	853 S. 12th St., Newark, N. J.	.5
2PT 2AAJ	Tripp David R	28 Close St. Schenectedy N. Y.	1.0
2AC	Tripp, George B., ir.,	30 Edgecliff Ter., Yonkers, N. Y.	1.0
2AC 2AOT	Trowbridge, Otis H	1396 Park Lane, Pelham Manor, N. Y	1.0
2ABN	Traver, Charles F Traver, William F Tripp, David R Tripp, George B., jr. Trowbridge, Otis H Trube, Carl E Trube, Robert L.	6 Livingston Ave., Yonkers, N. Y	.5
2AAU	Trube, Robert L	103 1st Ave., Highland Park, N. J. 501 Argyle Rd., Brooklyn, N. Y. 25 8. 4th St., Lakeview, N. J. 660 W. 180th St., New York, N. Y. 122 Guion Ave., Richmond Hill, N. Y. 122 Guion Ave., Richmond Hill, N. Y. 124 University Ave., New York, N. Y. 125 Hampton Court Ter., Jersey City, N. Y. 126 Hutnam Ave., Brooklyn, N. Y. 127 Hampton Court Ter., Jersey City, N. J. 1282-A Hancock St., Brooklyn, N. Y. 1282-A Hancock St., Brooklyn, N. Y. 1290 McDonough St., Brooklyn, N. Y. 1290 McDonough St., Brooklyn, N. Y. 1290 N. Broadway, Yonkers, N. Y. 1290 N. Broadway, Yonkers, N. Y. 130 N. Broadway, Yonkers, N. Y. 140 N. Broadway, Yonkers, N. Y. 151 St. 144th St., New York, N. Y. 151 St. 144th St., New York, N. Y. 152 Parker St., New York, N. Y. 153 Daly Ave., New York, N. Y. 154 Sence St., Orland, N. Y. 155 Sth St., Brooklyn, N. Y. 156 Sth St., Brooklyn, N. Y. 1576 Madison Ave., Jamaica, N. Y. 158 Warburton Ave., Yonkers, N. Y. 171 Alden St., Oranse, N. J. 175 Abdison Ave., Peekskill, N. Y. 176 Sta Ave., Peekskill, N. Y. 177 Landen St., Peekskill, N. Y. 178 Sayville, N. Y. 179 Sayville, N. Y. 178 Rose St., Paterson, N. J. 179 Carl Ave., Westfield, N. J. 179 Carl Ave., Westfield, N. J. 170 Carl Ave., Paterson, N. J. 171 Rose St., Paterson, N. J. 172 Bloomfield Ave., Passaic, N. J. 173 Carl Hillside Ave., Westfield, N. J. 174 Rose St., Paterson, N. J. 175 Carl Ave., N. Y. 178 Rose St., Paterson, N. J. 179 Carl Carl Ave., N. Y. 179 Carl Carl Ave., N. Y. 170 St. Kimball Ave., Westfield, N. J. 170 Carl Carl Ave., New York, N. Y. 171 And Houns St., Jersey City, N. J. 172 Contage Place, New York, N. Y. 174 Houns St., Jersey City, N. J. 175 Carl Carl Ave., New York, N. Y. 179 Contage Place, New York, N. Y. 170 St. Kimball Ave., Westfield, N. J. 171 And Ave., Newark, N. J. 172 Contage Place, New York, N. Y. 173 Contage Place, New York, N. Y. 174 Carl Carl Place, New York, N. Y. 175 Carl Carl Place, New York, N. Y. 176 Mott Ave., Far Rockaway, N. Y. 177 Carl Carl Carl Carl Carl Carl Carl Carl	.5

#### SECOND DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power
741	967 -		Kw.
2FG	Tymeson, Sidney	21 Henry St., Schenectady, N. Y	0.
RM	Underhill, Chester R	47 Church St., Montclair, N. J.	
HD	Underhill, Chester R Underhill, George H Underwood, Kenneth C	21 Henry St., Schenectady, N. Y. 47 Church St., Montclair, N. J. 78 S. Hamilton St., Poughkeepsie, N. Y. 259 Mt. Prospect Ave., Newark, N. J.	
OT	Urbain Ferdinand A	259 Mt. Prospect Ave., Newark, N. J. 1189 44th St., Brooklyn, N. Y. 113 Washington St., Westfield, N. J. 26E. Main St., Patchogue, N. Y. 5 Jerome Pl., Upper Montclair, N. J. 205 Park Pl., Brooklyn, N. Y. 120 Union Ave., Westfield, N. J. 172 Fisk Ave., Westerleigh, N. Y. 246 Morris Ave., Summit, N. J.	:
APT.	Urbain, Ferdinand A Urban, Charles B	113 Washington St., Westfield, N. J.	:
AMT	Van Cleaf, Howard	326 E. Main St., Patchogue, N. Y.	
UU	Van Cleaf, Howard Vanderbilt, Clinton B	5 Jerome Pl., Upper Montclair, N. J	
PAPW		205 Park Pl., Brooklyn, N. Y	1.
CP	Van Doren, Harold I. Van Duzer, Charles P. Van Dyke, Theodore F., jr. Van Loan, Harold H. Van Meerbeke, C. J., jr.	120 Union Ave., Westneid, N. J.	1.
AMB	Van Dyke Theodore F ir	246 Morris Ave Summit N T	:
ALT	Van Loan, Harold H	Athens, N. Y.	
ABK	Van Meerbeke, C. J., jr	Athens, N. Y. Hazlet, N. J.	
KV RZ	Varetoni, Wm	115 Randolph Ave., Clifton, N. J.	
RZ	Varietori, Wm. Veneman, Peter Viering, Harry F Vogel, Erwin W Volke, Edgar Von Thun, Henry B	Athens, N. Y. Hazlet, N. J. 115 Randolph Ave., Clifton, N. J. 36 Watson St., Paterson, N. J. 98 Abbott Ave., Ocean Grove, N. J. 61 S. Blyd., New York, N. Y.	
ACA	Viering, Harry F	61 S Blyd New York N V	
FB	Volke, Edgar	883 S. 19th St. Newark, N. J.	
FB ACR	Von Thun, Henry B	461 Jefferson Ave., Brooklyn, N. Y.	
AMT	Voepel, Daniel, jr	1162 Forest Ave., New York, N. Y.	
AMP	von Ardyn, John	125 Riverside Drive, New York, N. Y	
AMQ ADO	von Frankendorff, Leander	403 S. 7th St., Newark, N. J.	
OO	von Ardyn, John von Frankendorff, Leander Vrooman, Max M. Wade, J. Melmoth. Waelde, William E. Wagerer, Lewis G. Wak, Henry.	36 Watson St., Paterson, N. J. 61 S. Blvd., New York, N. Y. 61 S. Blvd., New York, N. Y. 83 S. 19th St., Newark, N. J. 461 Jefferson Ave., Brooklyn, N. Y. 1162 Forest Ave., New York, N. Y. 125 Riverside Drive, New York, N. Y. 403 S. 7th St., Newark, N. J. 1204 State St., Schenectady, N. Y. 83 Hamilton Ave., Yonkers, N. Y. 424 Church St., Poughkeepsie, N. Y. 122 Boulevard, Rockaway Beach, N. Y. 821 7th Ave., Newark, N. J. 841 W. 179th St., New York, N. Y. 61 Raymond Ave., Rutherford, N. J. 160 Garfield Pl., Brooklyn, N. Y. Little Falls, N. J. 221 S. Clinton St., East Orange, N. J. 605 Munroe Ave., Asbury Park, N. J. 78 Van Ness Ave., Rutherford, N. J. Port Richmond, N. Y. Millington, N. J.	
OQ AAF	Waelde, William E	424 Church St., Poughkeepsie, N. Y.	
AJU AQ ANR	Wagerer, Lewis G	122 Boulevard, Rockaway Beach, N. Y.	
AQ	Wak, Henry	82 17th Ave., Newark, N. J.	
ANR	Walcutt, Frank Walton, Fred E Ward, John R	841 W. 179th St., New York, N. Y	
ABU	Walton, Fred E	61 Raymond Ave., Rutherlord, N. J.	
QP DN	Warner Herbert M	Little Fells N T	
AKT	Warner, Stanley F	221 S. Clinton St., East Orange, N. J.	
AKW	Warren, W. Harold	605 Munroe Ave., Asbury Park, N. J.	
AGW	Watson, Edmund A	78 Van Ness Ave., Rutherford, N. J.	1.
AHM	Watters, John J	Port Richmond, N. Y	1.
AMD	Warrd, John R. Warner, Herbert M. Warner, Stanley F. Warren, W. Harold. Watson, Edmund A. Watters, John J. Weatherbee, W. T. Weber, Ernest A. Weigend, Daniel	Millington, N. J 320 Spruce St., Richmond Hill, N. Y	
MQ	Weigand, Daniel	Hazlet, N. J.  96 Watkins St., Brooklyn, N. Y.  5 Adams St., Port Washington, N. Y.  982 Linton Ave., New York, N. Y.  728 W. 181st St., New York, N. Y.  59 6th Ave., Long Branch, N. J.  44 South St. Newsk N. J.	
ABL		96 Watkins St., Brooklyn, N. Y.	
FH	Weiss, Benjamn Weiss, Jacob. Weller, William W Werner, George J. West, Gilmore O. West, Russell H. White, Clinton R. White, Howard E. Whitehead, Ralph R., jr. Whittleton Harry, jr.	5 Adams St., Port Washington, N. Y	1.
IJ	Weller, William W	982 Linton Ave., New York, N. Y.	
CA	Werner, George J	728 W. 181st St., New York, N. Y.	
FM AHE	West, Gilmore C	59 of Ave., Long Branch, N. J. 44 South St., Newark, N. J. 484 Clinton Ave., Brooklyn, N. Y. 1125 Madison Ave., New York, N. Y. Woodstock, N. Y. Palisades Park, N. J.	
AIJ	White, Clinton R	484 Clinton Ave., Brooklyn, N. Y	1.
TJ	White, Howard E	1125 Madison Ave., New York, N. Y.	1
PAON	Whitehead, Ralph R., jr	Woodstock, N. Y	
ZAMX	Whittleton, Harry M	Palisades Park, N. J.	
APS	Wiendieck, Elmer C	Merrick, N. Y	
WQ	Whittleton, Harry M. Wiendieck, Elmer C. Willetts, Gilson V. Willey, R. T.	1460 Redford Ave. Brooklyn N V	
DR	Williams, Arthur D	Merrick, N. Y. 92 Hamilton Ave., Yonkers, N. Y. 1460 Bedford Ave., Brooklyn, N. Y. 73 S. Arlington Ave., East Orange, N. J. 547 Clifton Ave. Naverk, N. J.	
API	Willey, R. T. Williams, Arthur D. Williams, E. Harvey. Williams, E. Malcolm Wilmott, George B. Wilson, John A., jr. Wimpfheimer, Gustave R. Winn, Arthur H. Woerner, Charles A.	Troy High School, Troy, N. Y.  1138 E. 37th St., Brooklyn, N. Y.	
AGN	Williams, E. Malcolm	Troy High School, Troy, N. Y	1
EH	Wilmott, George B	1138 E. 37th St., Brooklyn, N. Y. Tenafly, N. J. 1056 Hoe Ave., New York, N. Y. 235 Church St., Poughkeepsie, N. Y. 247 Union St., Jersey City, N. J. 763 E. 152d St., New York, N. Y. 274 W. 135th St., New York, N. Y. New York University, New York, N. Y. 224 W. 140th St., New York, N. Y. 459 Grove St., Westfield, N. J. 84 Amherst St., East Orange, N. J. 40 Edgewood Lane, Palisade, N. J. 569 W. 173d St., New York, N. Y. Cresshill, N. J.	1
GN	Wimpfheimer Gustave B	1056 Hoo Ave. New York N. V.	1
QI DA FP	Winn Arthur H	325 Church St. Poughkeensie N. V.	1
FP	Worner, Charles A. Wohl, William M. Wood, Charles.	247 Union St., Jersey City, N. J.	1
	Wohl, William M	763 E. 152d St., New York, N. Y	1
AJA	Wood, Charles	274 W. 135th St., New York, N. Y	
APT	Woodman, Malcolm W	New York University, New York, N. Y	1
LZ	Woodruff Gordon B	450 Grove St. Westfield N. T.	1
BV	Woodward Reginald	84 Amherst St. East Orange N. I	
BV	Woolcott, James V	40 Edgewood Lane, Palisade, N. J.	1.
APF	Woolley, Harrison	569 W. 173d St., New York, N. Y	1
TW	Wood, Charles Woodman, Malcolm W. Woodrow, William Woodruff, Gordon B. Woodward, Reginald. Woolcott, James V. Woolley, Harrison. Worth, John B. Wright, Henry O.	Cresshill, N. J.	1.
AES	Wright, Henry O. Yerbury, George S., jr. Youmans, Chester	115 Mountain Ave., Westfield, N. J.	
BE	Youmans Chester	21 ITVING Place, Passaic, N. J.	
AKY	Young Men's Christian Ass'n	Asbury Park, N. J.	1
AEG	Ziegler, Edward F	705 Woodbine St., Brooklyn, N. Y.	1
2CM	Zimmerman, Herman, jr Zimmerman, William	569 W. 173d St., New York, N. Y Cresshill, N. J. 115 Mountain Ave., Westfield, N. J. 21 Irving Place, Passaic, N. J. 5 Old Road, Bayonne, N. J. Asbury Park, N. J. 705 Woodbine St., Brooklyn, N. Y. 2590 3d Ave., New York, N. Y. 765 Hunterdon St., Newark, N. J. 45 Clinton Place, Mt. Vernon, N. Y.	
AGU 2DB	Zimmerman, William Zucker, Richard D	765 Hunterdon St., Newark, N. J.	1.

#### SECOND DISTRICT—Continued.

#### ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
2AA	Adams, Everett L.	2AGW	Watson, E. A.	2AKA	Stewart, Guy A., ir. Roberts, Hugh V. Stantley, J. T. Nichols, R. W. Cater, Raymond. Woodruff, G. B. Olson, George I
2AAC	Storrs, William.	2AGW 2AGX 2AGZ	Davies, R. J., jr.	2AKA 2AKB 2AKC	Roberts, Hugh V.
2AAD	Silleck, William C.	2AGZ	Watson, E. A. Davies, R. J., jr. King, Frank.	2A KC	Stantley, J. T.
2A A F	Adams, Everett L. Storrs, William. Silleck, William C. Waelde, W. E. Tripp, David R. Codredow, Lawrence	2AH 2AHA	Roche, Walter J. Benzing, H. A. Amy, E. V. Klopak, J. West, R. H.	2AKD 2AKE 2AKE 2AKF 2AKG 2AKH	Nichols, R. W.
2A A J 2A A K	Cockaday, Lawrence	2AHC	Amy, E. V.	2AKF	Woodruff, G. B.
	M.	2AHD	Klopak, J.	2AKG	Olson, George I.
2A.A.M.	Lang, Ernest.	2AHE	West, R. H.	2AKH	Robinson, C. S.
2AAO 2AAP 2AAQ	Kollock A W	2AHG 2AHH	Mersfelder, J. H., jr. Rossner, James E. Comes, William J.	2AKI 2AKJ	Sypher, E. L., jr.
	Judson, Joseph E.	2AHI	Comes, William J.	2AKK	Maurer, Edward.
2AB	Sterns, Morton W.	2AHK		2AKL	Robinson, C. S. Sypher, E. L., jr. Caulfield, J. V. Maurer, Edward. Maran, J. F.
2AAS	Trube Robert I.	2AHL   2AHM	May, Anthony.	2AKM	
2A A U 2A A Z	Pennell, Vere F.	2AHN	Marshall, Leonard H.	2AKN 2AKO	Burns, Raymond N.
2ABC	Lang, Ernest. Maguire, Howard S. Kollock, A. W. Judson, Joseph E. Sterns, Morton W. Brick, Frank K., jr. Trube, Robert L. Pennell, Vere F. Woolcott, James V. Bilms, Charles A. Kayanagh John.	2AHO	May, Anthony. Watters, J. J. Marshall, Leonard H. Thomhill, S. E. Noble, I. Kendrick	1 9 A TC D	Eddy, John L., jr. Burns, Raymond N. Lockard, J. F.
2ABD	Bilms, Charles A.	2AHP	Noble, J. Kendrick. Royle, Stanley. Byrne, William. Bergner, James Rupert, Stephen E.	2AKR 2AKT 2AKU 2AKU 2AKV	Leighton, Leo. Warner, Stanley F.
2ABH 2ABN	Trube Carl E.	2AHQ 2AHR	Byrne, William	24 KU	Honeywell Robert
2ABO	Dodd, H. H.	2AHS	Bergner, James	2AKV	Honeywell, Robert. Herbert, Norman. Warren, W. Harold.
2ABR	Lorini, Osmun W.	2AHT	Rupert, Stephen E.	IZAKW	Warren, W. Harold.
2ABT 2ABV	Kavanagh, John. Trube, Carl E. Dodd, H. H. Lorini, Osmun W. Hulse, L. M. Pulsifer, Frederic K.,	2AHU	G. Littlefield, Charles E.	2AKX 2AKY	Schwarz, Sylvan L.
AA.D V	12.	2AHY	Everingham, Charles	2AKZ	Anderson, Lansdell. Stanley, W. N. Francis, Sylvian. Gratzner, Raymond. Merrihew, John E., jr. Van Doren, Harold J. Fingerlin, Harold J. Manches, Allayene
2ABW	Olsen, Arthur C.	1	1 TC	2AL	Stanley, W. N.
2AC 2ACJ 2ACL	Tripp, George B., jr. de Calahorra, A. S. Pohlman, L. V.	2AHZ 2AI	Eichfield, Nicholas. Eber, J. G. Draper, George B. Pfaltz, Orlando R. Butler B. M	2ALA 2ALB	Francis, Sylvian.
2ACI	Pohlman, L. V.	2AIA	Draper, George B.	2ALC	Merrihew. John E. ir.
ZACK	Von Thun, Henry B.	2AIC	Pfaltz, Orlando R.	2ALD	Van Doren, Harold.
2ACS	l Maier, John C.	2AID	Butler, R. M.	2ALE	Fingerlin, Harold J.
2ACU 2ACV	Richardson, John R. Dunham, John S. Terhune, Frank.	2AIE 2AIF	Butler, R. M. Scholz, Frank A. Betts, Philander H.	2ALF	Manchee, Alleyene
2ACZ	Terhune, Frank.	2AIG	Hevener, Osborn F.	2ALG	Angen Tohm
2AD	I Dammers, Albert,	2AII	Brewster, Carlton.	2ALH	Trautwein, Charles F.
2ADC 2ADE	Eckler, H. D.	2AIJ 2AIK	Leek. Nathaniel L.	2ALI 2ALJ	Snader William V
2ADI	Humphrey, F. F. Eckler, H. D. Mitchell, Clifford E.	2AIL	Hevener, Osborn F. Brewster, Carlton. White, Clinton R. Leek, Nathaniel L. Mulcahy, Frank. Giefer, Frank H. Ostravich Thaddous	2ALK	Trautwein, Charles F. Dunham, Nelson. Spader, William V. Capillon, Edward A. Dinger, William E. Sheldon, Henry B. Mason, Percy H. Huff, Frederick
2ADL	Hunkins, Cari J.	2AIM	Giefer, Frank H.	2ALL	Dinger, William E.
2ADN 2ADP	Guttmann, Bernard. Davis, Clarence F.	2AIN 2AIO	Ostrewich, Thaddeus. Pieri, Donald.	2ALM 2ALN	Mason Percy H
2ADU	Jakobson, I. D.	2AIP	Harper, Augustus E. Fink, Gustave.	2ALO	Huff, Frederick W.
2ADX	Vogel, E. W.	2AIQ 2AIR	Fink, Gustave.	2ALP	Hulse, Tremaine.
2A E 2A E B	Davis, Clarence F. Jakobson, I. D. Vogel, E. W. Happe, W. H. Tompkins, G. F. Rappolt, F. A.	2AIR 2AIS	Estberg, Hugo. Dawson, Fred. Gluck, John. Scull, Walter. Miller, George. Thompson, Harold. Ballentine, Harold E. Lobason, John &	2ALQ 2ALR	Hulse, Tremaine. Mulvaney, Thomas. Kells, David G. Oetjen, John J.
2AED	Rappolt, F. A.	2AIT	Gluck, John.	2ALS	Oetjen, John J.
2AEF	Abrams, M. F.	2AIU	Scull, Walter.	2ALT	van Loan, Haroid n.
2A E G 2A E H	Edwards, J. B.	2AIV 2AIW	Thompson, Harold.	2ALU 2ALV	Peiler, Harold.
2A E I	Reynolds, A. S.	2AIX	Ballentine, Harold E.	2ALV 2ALW	Atkinson, Benjamin. Benson, Warren S. Hobson, Christopher
2AEJ	Abrams, M. F. Ziegler, Edward F. Edwards, J. B. Reynolds, A. S. Pettit, M. S. Sorten, H	2AIY	Johnson, John A. Poling, Russell H. Buttner, Edwin T. Wood, Charles.	2ALX	Hobson, Christopher
2AEN 2AER	Crinnion, E. T. J.	2AIZ 2AJ	Buttner, Edwin T.	2AMA	E. Ackerman, Rudolph
2AES	Wright, H. O.	2AJA	Wood, Charles.	1	, w.
2AEW	Sorten, H. Crinnion, E. T. J. Wright, H. O. Leyh, William.	2AJB	Com Tohn	2AMB	VanDyke, Theodore
2A F 2A FA	Bryant, M. V. Bodkin, Laurence G. Dix. Harold S.	2AJC 2AJD	Redfern, William W	2AMC	F. Seiler, Frank.
2AFA 2AFE	Dix, Harold 8.	2AJE	Redfern, William W. Rowley, Herbert G. Broome, Frank H.	2AMC 2AMD	Wootherhie W T
2AFH	Schaefer, Adolph.	2AJF	Broome, Frank H.	2AME	Frank, Richard.
2AFM 2AFR	Schaefer, Adolph. Holmes, George. Lehman, E. W. G. Goll, Robert E.	2AJG 2AJH	DeVizio, Joseph. Reed, Cecil J. Willey, R. T. Weiss, Benjamin. Kaluing, W. C. Requa, Reginald C. Stenger, H. C. McKenna, John K. Grammet, Melvin L. Stratton, Brainerd. Seckel, William. Reilly, Hugh. Wagerer, Lewis G.	2AMF 2AMG	Frank, Richard. Smith, William W. Jaques, Channing K. Bettels, Edward T. Brush, George.
2AFR 2AFU	Goll, Robert E.	2AJH 2AJI	Willey, R. T.	2AMH	Bettels, Edward T.
2AFW	Hornung, J. L.	2AJK	Weiss, Benjamin.	2AMI	Brush, George.
2AFY 2AG	Mulford H. C.	2AJL 2ATM	Raming, W. C.	2AMJ 2AMK	Ruddy, George E. Allen, William F.
2AGA	Bilsky, Walter.	2AJM 2AJN	Stenger, H. C.	2AML	Mueller, Carl F., ir.
2AGC	Lindgren, Richard N.	2AJO	McKenna, John K.	2AMM	Mueller, Carl F., jr, Hubbey, Russel S. Hart, Phillip.
2A G G 2A G H	mayer, warren J.	2AJP 2AJQ	Stratton, Breinard	2AMN 2AMO	Hart, Phillip.
2AGJ	Hewitt, John K.	2AJR	Seckel, William.	2AMP	Heiss, Walter. Ardyn, John V.
2AGM	Buttner, Edwin.	2AJT	Reilly, Hugh.	2AMQ	Frankendorff, Lean- der V.
2AGO 2AGO	Rosenberg IIda R	2AJU 2AJV	Wagerer, Lewis G. Cronin, William.	2AMR	Avery John
2AGQ 2AGT	Goll, Robert E. Hornung, J. L. Muller, H. W. Mulford, H. C. Bilsky, Walter. Lindgren, Richard N. Mayer, Warren J. Taylor, Kimber A. Hewitt, John K. Buttner, Edwin. Norris, Robert P. Rosenberg, Uda B. Schleckser, Raymond R.	l 2AJW	Schmelzer, Gerhard.	2AMS	Avery, John. Hunter, John W.
	R.	2AJX 2AJY	Schmelzer, Gerhard. Dederick, Harry C.	2AMT	Hunter, John W. Voepel, Daniel, jr.
2AGU	Zimmerman, Wil- liam.	2AJY 2AJZ	Goldstein, Jack. Rice, Robert.	2AMU 2AMV	Tennon, Evans H. Adolph, Herbert.
2AGV	Sievering, H. W.	2AK	Hunkins, C. J.	2AMW	Coon, George.
					,

#### SECOND DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
2AMX 2AMY	Whittleton, Harry M.	2APV	Hymmen, Robert.	2AU	Schram, John, jr. Y. M. C. A., Eastern Dist.
2A M Y 2A MZ	Geil, Henry. Roehrich, Henry.	2APW	Vanderbilt, Harold	2AV	Y.M.C.A., Eastern
2A N	Sedlak, C. J.	2APX	Baker, A. L.	2AW	Melville, Richard T.
2ANA 2ANB	Lindheimer, Carl M.	2APX 2APY 2APZ	Charleton, E. E.	2AZ	Pearl, E. S.
2ANB	Leo, Nelson. Guy, R. F.	2APZ	Charleton, E. E. Freeman, Robert J.		
2ANC 2AND		2AQ	Wak, Henry.	2BA 2BB	Ash, Harry M., jr.
2ANE	Klune, Fred C., jr.	2AQA 2AQB	Drury, Frank. Jacquet, Lloyd.	2BC	Lounsberry, Isaac. Harrietts, J. B. Banta, T. C.
2ANF	McLean, True. Fish, Edward H. Kirchhoff, W. J. Raufer, Frank I	2A QB 2A QC	Gardner, Wm. E.	2BD	Banta, T. C.
2ANG	Kirchhoff, W. J.	2AQG	Scott, W. F.	2BE	Yerbury, G. S.
2ANH		2AQH	Palmer, Thomas.	2BG	Yerbury, G. S. Gaede, G. F. Slater, Harry.
2ANI 2ANJ	Heinzman, Milton. Hoff, R. S.	2AQG 2AQH 2AQI 2AQI 2AQK 2AQL 2AQM 2AQO 2AQO	Jacquet, Lloyd. Gardner, Wm. E. Scott, W. F. Palmer, Thomas. Smejkal, Harry. Clarkin, William. Lambert, F. F. Love, J. H. Broex. I.	2BI 2BJ	Dahms, Herbert.
2ANK	I Seitz, Wesley.	ZAČK	Lambert, F. F.	2BL	Mann, Samuel
2ANL 2ANM	Adams, C. B. Foot, N. B. Nelson, Irving J. Valentine, Russel D.	2AQL	Love, J. H.	2BM	Heermance, E. McIntire, M. A. Guild, Baldwin. Krech, Karl G.
2ANM	Foot, N. B.	2A QM	Broax, I.	2BO	McIntire, M. A.
2ANO 2ANP	Nelson, irving J.	2\QU	Regebuhr H M	2BQ 2BR	Kroch Karl G
2ANQ	Crowe, H. A.	2400	Hoffman, Frank.	288	A SCHO, CHARLES F.
2ANR	Crowe, H. A. Walcutt, Frank. Koyen, W. R. Brown, Mortimor.	2AQ Ř	Alexander, B. H. Bargebuhr, H. M. Hoffman, Frank. Grover, Paul B.	2BT	Adams, E. F. Olson, Oscar A.
2ANS 2ANT	Koyen, W. R.	2AQS	Bohman, Albert.	2BU	Olson, Oscar A.
2ANT 2ANU	Midgley Herbert	2AQT	Bohman, Albert. Ferris, C. S. Smith, E. C.	2BV 2BW	woodward, Regmaid.
2AN V	Midgley, Herbert. Hirschfield, Edward.	2AOV	Sommer, J.	2BY	Hymes, E. McHugh, John A.
2ANW	Schaeffer, Maximil- lian.	2AQQ 2AQQR 2AQQS 2AQQT 2AQQU 2AQQV 2AQQV 2AQQV	Frankenstein, E. S.	2BZ	Lyman, C. G.
2ANX	Shaw, A. E., jr. Felt, G. G.	2AQX 2AQY 2AQZ 2AQZ 2AR	Showalter, J. W.• Hull, N. C.	2CA	Werner, G. J. Leeb, Henry L. Robbins, W. E., jr.
2ANY	Felt, G. G.	2A QZ	Hull, N. C.	2CB	Leeb, Henry L.
2ANZ 2AO	Johnson, R. H.	2AR	Underhill, George H.	2CD 2CE	Dain, John W.
2ÃOA	Jones, R. O. Mase, F. K.	2ARA 2ARB	Balison, Howard. Plauth, William.	2CF	Traflet, F. E.
2AOB 2AOC	Macsond, M. E.	2ARC	Ferguson, G. M.	2CG	Traflet, F. E. Shield, Frederic K.
2AOC	Macsond, M. E. Cherry, G. S.	2ARD	Ferguson, G. M. Oechler, Alfred C. Southard, Sealey M.	2CI	Guarino, John J.
200D 2AOE	Townley, H. C.	2ARE	Southard, Sealey M.	2CJ 2CK	Guarino, John J. Bathgate, W. E. O'Brien, T.
2AOF	Larsen, Rudolph. Adams, J. D.	2ARF 2ARG	Allen, James J. Bona, Edward.	2CL	Brooklyn Telegraph
2AOG	Diahter Debort	2ARH	Randell, Edward J. Pawley, Myron G. Leiter, David.	l	School.
2AOH	Kleppe, Arthur. Muller, H. G. Leathe, W. W. Class, Charles L. Horn, Charles W.	2ARI	Pawley, Myron G.	2CM	Zimmerman, Her-
2AOI 2AOJ	Muller, H. G.	2ARJ 2ARK	McCov Lester	2CN	man.
ZAOK	Class, Charles L.	2ARL	McCoy, Lester. Perry, J. D. Dimmick, E. R. Bremer, F. V.	2CO	Dickey, E. T. Beechel, G. H. J.
2AOL	Horn, Charles W.	2ARM	Dimmick, E. R.	2CP	
2AOM 2AON	Manning, Conant. Whitehead, R. R., jr. Erven, R. P.	2ARN	Bremer, F. V.	2CQ 2CR	Hampe, Bernard A. Blauvelt, W. M. Schaefer, C. L. Robbins, Walter G. Ritter, Alexander. Ham, Frank M. Davison W. H. ir
2A00	Erven. R. P.	2ARO 2ARP	Rau, James F. Campbell, George C.	2CS	Schaefer, C. L.
2AOP	i Tromson, J. M., ir.	2ARQ	Miller, Raymond.	2CU	Robbins, Walter G.
2AOQ	Roquer, L. E.	2ARR	Miller, Raymond. Cohen, Monte. Grece, Joseph F.	2CV	Ritter, Alexander.
2AOR	Shirvell, E. J. A.	2ARS	Grece, Joseph F.	2CW	Ham, Frank M.
2AOT 2AOU	Roquer, L. E. Shirvell, E. J. A. Trowbridge, O. H. Stadler, Reuben L.	2ART 2ARU	Hammond, George P. Machlett, Raymond	2CW 2CX 2CY	Davison, W. H., jr. Ferris, Malcom.
2AOY	Davidson, Arthur.	21110	) K.	2CZ	Becker, Frank.
2AOZ	Schlitz, Karl W.	2ARV	Appell, Daniel T. Jockers, Edwin B.	070.4	
2AP	Benson, Edwin.	2ARW	Dickinson, Edwin A.	2DA 2DB	Winn, A. H. Zucker, R. D. Maher, Frank.
2APA 2APB 2APC	Thornton, Jas. Obert, J. Edwin.	2ARX 2ARY	Berger, George P.	2DC	Maher, Frank.
2APC	Stanard, John. Skinner, William. Averill, William H.	2ARZ	Erickson, E. T. De Yoe, W. L.	2DD	Hammond, T. M.
2APD	Skinner, William.	2AS	De Yoe, W. L.	2DE	l Ruttmann, F.
2A P E	Woolley, H.	2ASA 2ASB	Genodette, Honore. Houseworth, Charles	2DF 2DG	Hoyt, William L. Higgs, H. Y.
2APE 2APF 2APG	Hegmegee, J. O. L.	ZASB	1 W.	2DH	Knapp, Samuel. Maguire, Nelson. Bangert, Valentine F Sachs, H.
2APH	Hegmegee, J. O. L. Kalbach, C.	2ASC	Hauger, Oscar. Gehret, Ernest G.	2DK	Maguire, Nelson.
2API	Williams, E. H.	2ASD	Gehret, Ernest G.	2DL	Bangert, Valentine F
2APJ 2APK	Lauterborn, G. E. Scheidler, H. D. Urban, C. B. Purvis, H.	2ASE 2ASF	Johnson, Axel W. Sohnle, Fred.	2DM 2DN	Warner Harbert M
2APK 2APL	Urban, C. B.	2ASG	MacBride, William D	2DO	Guldi, Walter E.
2APM	Purvis, H.	2ASH	MacBride, William D Geoghagen, T. V. Tirrell, Walter H.	2DP	Warner, Herbert M. Guldi, Walter E. Crocker, Frank H. Porter, Roland.
2APN 2APO	Hausroth, A. H., Jr.	2ASI	Tirrell, Walter H.	2DQ	Porter, Roland.
2APO 2APP	Tyler, B. Prinz, P. J.	2ASJ 2ASK	Schroeder, Henry. Schwartz, Adolph.	2DR 2DS	Williams, A. D. Clark, Le Roy.
2A PO	Knight, H. E. H.	2ASL	Thurston, George.	2DV	Kissick, R. G.
2APR 2APS	Carpenter, S. C. Wiendieck, E. C.	2ASM	Schwartz, Adolph. Thurston, George. Borduin, David. Koegel, Carl J.	2DZ	Tuna, Lawrence.
2A PS 2A PT	Wiendieck, E. C.	2ASN	Koegel, Carl J.	OF A	Doty W P
2APU	Woodman, M. W. Krantz, H. K.	2ASO 2ASP	Engstrom, Joseph E. Ruben, Samuel.	2EA 2EC	Doty, W. P. Thiede, F. C.
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#### SECOND DISTRICT—Continued.

### ALPHABETICALLY BY CALL SIGNALS-Continued.

	<u> </u>		1		<del>                                     </del>
Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
2ED	Lowe, Graham V.	2ID	Miller, John W., jr.	2LZ	Woodrow, W.
2E G	Arany, Egmont.	2IE	I I ammon W Q	2MA	Hasbrouck, Earl.
2EI 2EJ	Arany, Egmont. Quick, H. C. Bechelofft, C. B.	2IF 2IH	Miller, Eugene B. Hiller, Harry E. Howell, W. J. Weller, W. Jensen, Martin.	2MC 2ME	Woodrow, W. Hasbrouck, Earl. Garity, William E. Booth, Sherman F.
2EK		21H 2II	Howell W J	2MF	Hoppock A H
2EN	Halligan, James W.	2IJ	Weller, W.	2MH	Buchanan, W. F.
2EP	Englehart, L. W.	2IK	Jensen, Martin.	2MI	Hoppock, A. H. Buchanan, W. F. Morris, E. S.
2ES 2ET	Halligan, James W. Englehart, L. W. Campbell, R., jr. England, G. B. Droste, G. T. Hajos, Eugene.	2IL 2IM		2ML 2MN	Donovan, E. T. Betts, Philander C.
žĔŪ	Droste, G. T.	2IN	Spangenberg, L. Scofield, R. W.	2MQ	Weber, E. A.
2EV	Hajos, Eugene.	210	Scofield, R. W. Patton, Norman F. Ashmall, W. E., jr. Teets, Albert S.	2MR	Atwater, F. G., jr.
2E X 2E Y	Jackson, B. B.	2IP 2IS	Ashmall, W. E., jr.	2MS 2MT	Berri, Herbert.
2EZ	McKinney, F. J. Donohue, Peter J Pfeifer, C. H. Voeke, Edgar. Derx, Martin, jr.	21T	Cowper, Norman.	2MV	Moses, Abram W. Bell, A. E.
2FA 2FB	Pfeifer, C. H.	2IV	Smith, Nelson M.	2M X 2M Y	Le Gallez, Clayton B.
2FB 2FC	Voeke, Edgar.	2IW 2IY	Worth, J. B.	2MY 2MZ	Cohen, Edwin K.
2FF	Brower, H. S.	21Z	Cowper, Norman. Smith, Nelson M. Worth, J. B. Dugan, E. W. Wohl, William M.	ZMZ	Ferguson, James B., jr.
2FH	Brower, H. S. Weiss, Jacob.			2NA	Dawley, Earle Reed.
2FJ	Helwig, H. F. Freure, Richard W. West, G. D.	2JA	Caruthers, David.	2NC	Dawley, Earle Reed. Katz, Frederick.
2FK 2FM	West G D	2JB 2JC	Smith, ClarenceB., jr. Connors, James.	2ND 2NF	Homan E J
2FN		2JD	Boeder, Arthur R. Lockwood, Nelson W Fricke, William B.	2NI	Schweiser, Charles L. Homan, E. J. Moles, C. E.
2FO 2FP	Blanchard, Wesley S. Woerner, C. A. Connor, H. G.	2JF	Lockwood, Nelson W	2NJ	Kennedy, Harold J.
2ፑር	Connor H G	2JH 2JI	Ruhlman Ernest R	2NK 2NL	Palm, J. A. Bucknem John R
2FR	Ettlinger, Albert.	2JN	Atwater, Charles K.	2NN	Kennedy, Harold J. Palm, J. A. Bucknam, John R. Nightingale, John.
248 1	Stanley, H. L.	2JO 2JP	Smith, N. V.	2NO 2NP	Merritt, Frank.
2FT 2FU	Stanley, H. L. Stanley, H. L. Murray, William E. Brooks, L. V. Foster, D. E.	2JP 2JR	Ruhlman, Ernest R. Atwater, Charles K. Smith, N. V. Pruden, Harold M. Bruce, Edmond.	2NP 2NQ	Koenig, George F.
2FV	Foster, D. E.	2J8	Larkin, James S.	2NR	Heuer, William H.
2FX	Gidney, Ray V. Harris, C. C.	l 2JT	Dennis, F. T.	2NS	Hoffman, Paul J.
2FZ		2JU 2JV	Larkin, James S. Dennis, F. T. Goette, C. J. Reich, Herbert.	2NU 2NV	Merritt, Frank. Koenig, George F. Isaacson, Charles B. Heuer, William H. Hoffman, Paul J. Hill, William S. Meder, George C. Austrien Belnh B.
2GB	Bartlett, B. W.	ŽIX	De Cartin, G. A.	2NW	Austrian, Ralph B.
2GC 2GF	Sonn, A. E.	077.4	Conta C TT	2NY	N. Y. School of Teleg-
2G F	Bartlett, B. W. Sonn, A. E. Brockman, F. C. Dahlgren, B. Hardy, Myles. Murphy, Dannis	2KA 2KB	Coote, C. W. Schabbehar, Edwin A.	2NZ	raphy. Pfeil, A. L.
2GH	Hardy, Myles.	2KB 2KC	Haves, Frank		1 1011, 11. 21.
2GI		2KD 2KE 2KF	Browne, W. S. Maloney, J. T. Nolan, George T.	20A	Hammond, Lester.
2GJ 2GK	Cronemeyer, E. C. Pate, W. Schuyler. Ashley, George. Moss, Sidney W.	2KF	Nolan, George T	2OC	Erasmus Hall High School.
2GL	Ashley, George.	2KG	ILANDE II I	20E	Raynor, Sinclair L. Meier, Robert A.
2GM 2GN	Moss, Sidney W.	2KH 2KI	Solberg, W. Uphof, L. S. Cummings, Frank X.	20F 20J	Meier, Robert A.
2GO	Wilson, John A., jr. Mulligan, Harry G.	2KJ	Cummings, Frank X.	20M	Horning, Robert H. O'Mara, Edward F. Wade, Melmoth. Tong, Myron A. Mardon, Frederick H.
2GP	McClintock, RalphW.	2KK		20 Q 20 R	Wade, Melmoth.
2GQ 2GR	Manning, Charles T.	2KL	Gregory, A. V.	20R 20X	Tong, Myron A.
2GS	Taylor, George W.	2KM 2KN 2KO	Collison, Percy B.	20 A	mardon, Frederick H.
2GU	McClintock, RalphW. Manning, Charles T. Gardell, Emil C. Taylor, George W. New York Catholic	2KO	Gregory, A. V. Francis, Charles E. Collison, Percy B. Tambupino, Antho-	2PC	Barriette, Samuel L. Eckstein, William J.
2GV	Protectory.	OK D		2PG 2PH	Eckstein, William J. Pendleton, A. F.
ŽĠŸ	Protectory. Sieggmann, Harry E. Dietz, Walter.	2KP 2KQ 2KR 2KS	Smith, Edgar T. Schaefer, R. C.		i didibion, A. F.
		2KŘ	Hallenbeck, Charles.	2PJ	Thomas, Alonzo E., jr.
2HA 2HD	McCoy, Daniel. Underwood, R. C.	2KS 2KT	I MORION, EGWARG M. I	2PM 2PN	Faraon, A. D. Berger, Henry C.
2HE	Rock, Le Roy W.	2KT 2KU	Robertson, M. E. Oehmen, O. Varetoni, William.	2PQ 2PS	Schwartz, Max B.
2HF	Coate, C. W.	2KV	Varetoni, William.	2PS	Schwartz, Max B. Cohen, Samuel. Lally, Joseph.
2HI 2HJ	Muller I A ir	2KW	Flummer, J. A.	2PU	Lally, Joseph. Hellman, Abraham E.
2HL	Huyler, Rollin M.	2KX 2KY	Plummer, J. A. Kilmer, T. W. Goodchild Electrical	2PW 2PX	Hamilton, A. G.
2HM	McKee, Clarence A.		Co.	2PY	Hamilton, A. G. Bogardus, Henry L.
2HO 2HP	Maybaw B A ir	2KZ	Spalding, K. W.	2QB	Blackford, H. W.
2HR	Summerville, Chris.	2LC	Roberts, A. P.	$\tilde{\mathbf{z}}\tilde{\mathbf{Q}}\tilde{\mathbf{D}}$	King, Wendell W.
2HS	Stewart, Douglas.	2LC 2LE	Roberts, A. P. Egolf, R. E.	2QD 2QG	King, Wendell W. Gale, Rowland A.
2HT 2HU	Hotchkiss G	2LH 2LI	Sayres, Ralph A.	2QI 2QJ	Wimpfheimer, G. R.
2HV l	Collignon, Francis A.	2LJ	Meachman, F. C., jr. Hoagland, Raymond. Smith, J. O.	2QP	Ward, John R.
2HW	Combes, Rae.	2LK	Smith, J. O.	2QP 2QQ 2QR	Green, Irving W.
2HX 2HY	Underwood, R. C. Rock, Le Roy W. Coate, C. W. Schuck, Charles H. Muller, J. A., jr. Huyler, Rollin M. McKee, Clarence A. Lyons, W. B. Mayhew, B. A., jr. Summerville, Chris. Stewart, Douglas. Duing, Alan C. Hotchkiss, G. Collignon, Francis A. Combes, Rae. Lane, D. M. Muckenhaupt, C. F.	2LL 2LN	Benedict, A. R. Morrison, C. P.	2QR 2QU	Eckley, H. J. Ward, John R. Green, Irving W. Robertson, W. L. Osborne, J. Spencer.
2HZ	Younmans, Chester.	2LP	Green, Ray J.	ل کہو∪	
	·	2LS	Green, Ray J. Jablonsky, William. Breen, Thomas J.	2RB	Reuman, William H. Springer, Charles M.
2IB 2IC	Feeney, Walter. Faraon, A. J.	2LW 2LY	Breen, Thomas J. Hoover, R.	2RF 2RH	Springer, Charles M. Reiss, Lester.
			[	,	ATOMOL.

#### SECOND DISTRICT-Continued.

#### ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
2RJ 2RL 2RP 2RR 2RV 2RV	Porter, Charles A. Camp, Victor F. Sorgeus, Walter M. Haighs, Russell P. Johnson, W. E. Bailey, H. W.	2TP 2TQ 2TV 2TY 2TZ	Bohn, William C. Adams, William. Glenn, George. Lane, George. Collins, F. J.	2VM 2VQ 2VW 2WA 2WA	Brown, P. T. Agnoli, Justus. Steinkamp, H. Keers, John K. Fogetti, H. J.
2RX 28B 28F 28G 28K 28M 28P	Picken, James C., jr. Sangree, Ernest M. Kollock, A. S. May, Fred. Murray, Charles. Hatry, Willam B. Blellevens, Gerhardt.	2UF 2UG 2UO 2UQ 2UR 2UV 2UY 2UY	Evans, A. F. Bondeaux & Knights. Heyer, B. W. Hallett, E. D. Arany, Leo. Oliver, George E. Squire, Milford. Stewart, G. E.	2WC 2WE 2WF 2WG 2WH 2WI 2WK 2WL	Pollak, J. M. Haydon, Albert R. Nolan, T. J. Lemkie, H. A. Pearsall, A. R. Anderson, R. W. Caggiano, C. J. Ryan, L. F.
280 28T 2TB 2TE	Kreift, R. A. Emanuel, John H. Ford, Everett J. de Forest, E. L., jr.	2VC 2VE 2VI 2VK	Johnson, T., jr. Robertson, Gus. Loub, A. F. Cobert, James D.	2WM 2WN 2WP 2WT 2WT	Fowler, J. B. Betler, W. A. G. Spannaus, C. Poole, William C. MacLeod, Myron R.

#### THIRD DISTRICT.

[Headquarters: Customhouse, Baltimore, Md. The third district comprises the States of New Jersey (all counties not included in second district), Pennsylvania (counties of Philadelphia, Delaware, all counties south of the Blue Mountains, and Franklin County), Delaware, Maryland, Virginia, and the District of Columbia.]

#### ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	
			Kw.
3PC	Abbott, E. H. B	417 Landis Ave., Vineland, N. J.	0.
3AMK	Abdill, George S	125 E. Union St., Burlington, N. J.	
3QK	Adams, Leslie H	125 E. Union St., Burlington, N. J. 828 Landis Ave., Vineland, N. J.	1.
3CA	Adelberger, Adrian J	Wayna Pa	1
3ET	Alber, Robert C	5018 Irving St., Philadelphia, Pa.	1
3WJ	Alden, John H	124 Bryant St. NW., Washington, D. C	
3BM	Alden, John H	Bernardsville, N. J.	
3PE	Allen, John P	Bernardsville, N. J. 2032 N. Capitol St., Washington, D. C.	
3VH	Anconia, Frederick B	1579 Mineral Spring Rd., Reading, Pa.	
3QD	Andersen, Frederick J	735 Lincoln St., Reading, Pa	
3SR	Anderson, John A	735 Lincoln St., Reading, Pa 612 Cherry St., Camden, N. J.	
3LJ	Anderson, Joseph L	Tayas Md	
3KR	Anderson, Richard J	Texas, Md. 2510 26th St., North Wildwood, N. J.	
3TQ	Andrews, Edward C	22d and Morris Sts., Philadelphia, Pa.	
3JF	Apfelbaum, Martin	2711 Girard Ave., Philadelphia, Pa	
3VG	Applegate, Franklin and	34 Hillcrest Ave., Trenton, N. J.	
avu	Macpherson.	34 Hillerest Ave., Henton, 14. 5	
3AX	Arner, Oscar Q	56 V St. NW., Washington, D. C	
3AA	Ashmore, John W	3408 Hamilton St., Philadelphia, Pa	
3CN	Ashton, Leon W	106 Washington Ave., Collingswood, N. J	
3AIB	Atkinson, T. Howard	423 E. State St., Trenton, N. J	
3QN	Atlee, Charles B	100 Linden Ave., Riverton, N. J	
3PI	Atlee, Franklin	2039 Pine St., Philadelphia, Pa	
3JC	Ault, Arthur K	1152 Columbia Ave., Baltimore, Md	
3GC	Bach, Earl C	926 N. 4th St., Allentown, Pa	
3AFI	Backe, Louis M., jr	17 Maxham St., Sea Isle City, N. J	
3GZ	Backe, Louis M., jr	1211 Ridge Ave., Philadelphia, Pa	
3MA	Bacon, Harry E	1527 Girard Ave., Philadelphia, Pa	
3CK	Baer, Francis M	1744 Corcoran St. NW., Washington, D. C	
3DD	Baily, William J., jr	5218 Spruce St., Philadelphia, Pa	
3MU	Baily, William J., jr	5417 Addison St., Philadelphia, Pa	
3CS	Baker, Harold Z	134 N. Church St., Waynesboro, Pa.	. 1
3AMN	Bakley, Frank W	300 9th St., Ocean City, N. J.	
3PL	Ballentine, Charles S	300 9th St., Ocean City, N. J. 4810 Germantown Ave., Philadelphia, Pa.	
3AKP	Bargelt, R. L.	Woodstock, Va	-
3AGF	Barkley, Joseph A	2313 W. 17th St., Wilmington, Del	. 1
3SW	Barnard, Julian W	Brvn Mawr. Pa	. 1
3MS	Barnhart, Lawrence W	1637 N. 6th St., Harrisburg, Pa	
3KN	Barr, Richard H	602 W. Chestnut St., Lancaster, Pa	. 1
3RZ	Barrett Montague W	222 Dartmouth St., Norfolk, Va	

## THIRD DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power	
			Kw.	
SY	Barretta, Valroy, S Barrington, Roger W	Vineland, N. J. 608 Park Ave., Pensauken, N. J.	0.	
QX	Barrington, Roger W	608 Park Ave., Pensauken, N. J	12	
BOJ	Barron, John H., jr	3022 Abell Ave., Baltimore, Md		
AKG	Barron, John H., jr. Basford, Robert F. Basford, Robert F. Bausman, George H. Baxley, C. Herbert	3022 Abell Ave., Baltimore, Md 112 W. 17th St., Wildwood, N. J. 5308 Haverford Ave., Philadelphia, Pa 1246 N. Broadway, Baltimore, Md.		
WY AJ	Basford, Robert F	5308 Haverford Ave., Philadelphia, Pa		
AJ	Bausman, George H	1246 N. Broadway, Baltimore, Md		
ACL	Baxley, C. Herbert	1126 W. North Ave., Baltimore, Md		
QT ATI VM	Bayard, Arnold Bayne, C. Armistead Baynes, Ralph J Beach, Harry L	Woodbine, N. J	1.	
ATI	Bayne, C. Armistead	914 Moran Ave., Norfolk, Va	1.	
VM	Baynes, Ralph J	812 Vandever Ave., Wilmington, Del	1	
BL	Beach, Harry L	3711 M St. NW., Washington, D. C		
ARW		3732 Locust St., Philadelphia, Pa		
AIR	Beaumont, Robert H	7432 Devon St., Philadelphia, Pa		
WS AAV	Beaumont, Robert H. Beaumont, Robert H. Bechler, William C., jr	Atlantic City, N. J.	1.	
ARF	Book Page M	Woodbine, N. J. 914 Moran Ave., Norfolk, Va. 812 Vandever Ave., Wilmington, Del. 3711 M St. NW., Washington, D. C. 3732 Locust St., Philadelphia, Pa. 7432 Devon St., Philadelphia, Pa. Atlantic City, N. J. 1443 S. 3d St., Philadelphia, Pa. 300 Minor St., Richmond, Va. 4833 Pulaski Ave., Philadelphia, Pa. 2118 N. 5th St., Philadelphia, Pa. Media, Pa. Media, Pa. Media, Pa. Mt. Washington, Md.		
AGI	Beck, Page M.  Beck, Rodney M.  Becker, Frank F.  Beekley, Francis C.	4822 Puloski Ava Philadalphia Pa		
WV	Becker Frank F	2118 N 5th St Philadelphia Pa		
JS	Roekley Francis C	Madia Pa	1	
AMF	Beekman, Robert L	Mt. Washington, Md	1	
IM	Rehan Arthur R	3447 N. 15th St., Philadelphia, Pa.		
NL	Behm, L. F. F.	1519 Poplar Grove St., Baltimore, Md.	14.6	
AEF	Behm, L. F. F. Beidelman, Harry A. Bell, Albert A., jr. Belt, William B.	3447 N. 15th St., Philadelphia, Pa. 1519 Poplar Grove St., Baltimore, Md. 840 Elm St., Camden, N. J. 84 Catalpha Ave., Hamilton, Md. Hyattsville, Md.		
NI	Bell, Albert A., ir	8 Catalpha Ave., Hamilton, Md	1.	
ARL	Belt, William B	Hvattsville, Md	-	
VY	Beresford, Rees H	4541 Chestnut St., Philadelphia, Pa. 920 Riverside Ave., Trenton, N. J.		
DC	Bergen, Donald M	920 Riverside Ave., Trenton, N. J		
PY WH	Beresford, Rees H. Bergen, Donald M. Bergey, H. Leon Berkeley, Kenneth H. Bernhard, William Bernstein, Abe R.	Lansdale, Pa	1.	
WH	Berkeley, Kenneth H	3422 Center St. NW., Washington, D. C		
KS	Bernhard, William	2119 Fairmount Ave., Baltimore, Md	1.	
VL	Bernstein, Abe R	321 Church St., Norfolk, Va	-	
DN	Bertolet, Benjamin, jr	2112 Columbia Ave., Philadelphia, Pa	7	
MO	Bernstein, Abe R Bertolet, Benjamin, jr. Bickel, E. Clifton. Biddle, Howard L., jr.	758 High St., Pottstown, Pa	1.	
CC	Biddle, Howard L., jr	319 Hillside Ave., Jenkintown, Pa		
HW	Bidwell George L	1245 Evarts St. NE., washington, D. C		
NH	Bierfreund, Max A	Lansdale, Pa.  3422 Center St. NW., Washington, D. C.  2119 Fairmount Ave., Baltimore, Md.  321 Church St., Norfolk, Va.  2112 Columbia Ave., Philadelphia, Pa.  758 High St., Pottstown, Pa.  319 Hillside Ave., Jenkintown, Pa.  1245 Evarts St. NE., Washington, D. C.  Pitman Ave., Pitman, N. J.  45 Washington Ave., Collingswood, N. J.  608 Carpenter St., Philadelphia, Pa.  Middletown, Md.		
LQ	Birch, Stanford S Bisciotti, Bernard J	608 Compensor St. Philadelphia Po		
FT CY	Discre Morle H	Middletown Md		
BP	Biser, Mark H	5246 Wayna Aya Philadalphia Pa		
ASF	Black Goorge	2106 N 5th St Philadelphia Pa		
AAJ	Blair C Drewry	1804 Hanover Ave. Richmond, Va		
AAI	Blaess, George. Blair, C. Drewry. Blake, John M.	Middletown, Md. 5346 Wayne Ave., Philadelphia, Pa. 2106 N. 5th St., Philadelphia, Pa. 1804 Hanover Ave., Richmond, Va. 2506 Maryland Ave., Baltimore, Md. 922 North St. Portsmouth, Va.		
TV	Blanford, Irving Blanford, Irving I Blum, William Board of Public Education	2300 Maryiani Ave., Balantor, Mt. 2922 North St., Portsmouth, Va. Portsmouth, Va. (portable station). 1811 Arctic Ave., Atlantic City, N. J. Lehigh Ave. and 8th St., Philadelphia, Pa.	-	
AGP	Blanford, Irving I	Portsmouth, Va. (portable station)		
ASU GN	Blum, William	1811 Arctic Ave., Atlantic City, N. J.		
GN	Board of Public Education	Lehigh Ave. and 8th St., Philadelphia, Pa	- 3	
EO FX	Bockins, John M., jr	Abington, Pa		
FX	Bonsall, Thomas F	213 Chester Ave., Glenolden, Pa	9	
AEM	Booz, Walter M	237 W. Pine St., Wildwood, N.J		
ADA	Bockins, John M., jr. Bonsall, Thomas F. Booz, Walter M. Bott, James M.	Abington, Pa. 213 Chester Ave., Glenolden, Pa. 237 W. Pine St., Wildwood, N. J. 1011 W. Cumberland St., Philadelphia, Pa. 901 Central Ave., Ocean City, N. J. 2647 Agate St., Philadelphia, Pa.	1	
SN	Bourgeois, Edmund R	901 Central Ave., Ocean City, N. J	1.	
TL	Bowes, Joseph J	204/ Agate St., Philadelphia, Pa.		
AIX	Bowman, Christian M. Bowman, Philip W. Bradley, Horace E.	202 F Montgomery St. Baltimere Md		
$_{ m HJ}^{ m RG}$	Bradley Horses E	215 V St NE Washington D C	-	
SO	Bradshaw, R. B.	230 Chestnut St. Haddonfield N. I.		
BO	Brady, John B	Somerset, Md	15	
UZ	Brady, John B. Braidwood, Thomas W	2647 Agate St., Philadelphia, Pa.  150 E. Chestnut St., Lancaster, Pa.  202 E. Montgomery St., Baltimore, Md.  315 V St. NE., Washington, D. C.  239 Chestnut St., Haddonfield, N. J.  Somerset, Md.  Anglesea, N. J.  932 Oak Hill Ave., Hagerstown, Md.  4516 Pacific Ave., Wildwood, N. J.  2632 Guilford Ave., Baltimore, Md.  241 Goepp St., Bethlehem, Pa.  5714 American St., Philadelphia, Pa.  Hyattsville, Md.	1.	
AMS	Brandt, Bruce C	932 Oak Hill Ave., Hagerstown, Md.	1.	
AMS NZ	Brandt, Bruce C Branin, Manlif L	4516 Pacific Ave., Wildwood, N. J.		
EV	Brannan, Julian L	2632 Guilford Ave., Baltimore, Md		
SS	Brany, Emil B	241 Goepp St., Bethlehem, Pa.	1.	
ARD	Brantigam Harry G	5714 American St., Philadelphia, Pa	-	
ARD ATN	Briscoe, James D. Brenner, Samuel M.	Hyattsville, Md	:	
VE	Brenner, Samuel M	5025 Walnut St., Philadelphia, Pa		
AGM	breun, James F	209 Rutgers St., Swarthmore, Pa		
AMI	Brineshults, Ralph	5714 American St., Philadelphia, Pa. Hyattsville, Md. 5025 Walnut St., Philadelphia, Pa. 209 Rutgers St., Swarthmore, Pa. Cedarville, N. J. Arlington, Pa. 1038 North St., Portsmouth, Va. 2723 Guilford Ave., Baltimore, Md. 3 N. Main St., Nazareth, Pa. 154 Bickley Ave., Glenside, Pa.		
ASM	Britt, Charles J. Brittingham, Otis B. Broadbelt, J. Edward, jr	Arlington, Pa		
TP	Brittingham, Otis B	1038 North St., Portsmouth, Va		
JW	Broadbelt, J. Edward, jr	2723 Guilford Ave., Baltimore, Md		
JH	Brockman, Francis C	3 N. Main St., Nazareth, Pa.	1.	
DF	Brockway, Ladue M	154 Bickley A've., Glenside, Pa 222 N. Fulton St., Allentown, Pa		
ANM	Broednett, J. Edward, Jr. Brockman, Francis C. Brockway, Ladue M. Bromley, George T., jr. Brown, Edwin H. Brown, Raymond H.	222 N. Fulton St., Allentown, Pa. 125 State St., Harrisburg, Pa. 633 10th St. NE., Washington, D. C.	1.	

#### THIRD DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power.
		3013 Fairmount Åve., Atlantic City, N. J. 911 Indiana Ave., Atlantic City, N. J. 200 W. 16th St., Philadelphia, Pa 2123 W. Pacific St., Philadelphia, Pa 2123 W. Pacific St., Philadelphia, Pa. 1927 S. Salford St., Philadelphia, Pa. 1626 N. 13th St., Philadelphia, Pa. 1626 N. 13th St., Philadelphia, Pa. 1626 W. Mole St., Chester, Pa 1750 W. Mole St., Chester, Pa 1243 West Ave., Ocean City, N. J. 418 N. 23d St., Richmond, Va. 425 Westover Ave., Norfolk, Va. 1307 Moran Ave., Norfolk, Va. 1307 Moran Ave., Norfolk, Va. 1314 Walnut St., Haddonfield, N. J. 214 Wyncote Rd., Jenkintown, Pa. 1700 S. 60th St., Philadelphia, Pa. 1015 10th Ave., Moore, Pa. 7417 Sprague St., Philadelphia, Pa. 1015 10th Ave., Moore, Pa. 7417 Sprague St., Philadelphia, Pa. 10cean City, N. J. 347 Camel St., Baltimore, Md. 26 S. New Jersey Ave., Atlantic City, N. J. 918 Westminster St. NW., Washington, D. C. 230 S. Connecticut Ave., Atlantic City, N. J. Hershey, Pa.	Kw.
3AST	Brown, William Brubaker, John W Brubaker, John W Brudenell, Norman	3013 Fairmount Ave., Atlantic City, N. J	0.5
3ATA	Brubaker, John W	911 Indiana Ave., Atlantic City, N. J	1.0
3KE	Brubaker, John W	200 W. 16th St., Philadelphia, Pa.	. 5
3AAF 3AGO	Brunhouse, Jacob S	431 W Vork Ave Vork Pa	1.0
30H	Brunhouse, Jacob S. Bryan, John D. Bryce, Stanley C. Bryce, Stanley C. Butting, George M., Jr. Burke, Thomas J. Burkhardt, Horace C. Burnett, A. Elmo Buskey, Harry L. Butt, Harvey R. Call, J. Richard. Campbell, James D.	1927 S. Salford St., Philadelphia, Pa	1.0
3GF	Bryce, Stanley C	1626 N. 13th St., Philadelphia, Pa.	.5
3BK	Bryce, Stanley C	Seaside Park, N. J.	.5
3CP	Bunting, George M., jr	315 E. Broad St., Chester, Pa	. 5
3NW	Burke, Thomas J	1750 W. Mole St., Philadelphia, Pa	. 5
3ANW 3SM	Burkhardt, Horace C	1243 West Ave., Ocean City, N. J.	. 5
3BY	Buskey Horry L.	418 N. 23d St., Kichmond, Va	.5
3RX 3VB	Butt. Harvey R	1307 Moran Ave. Norfolk, Va.	. 0
3UW	Call, J. Richard.	114 Walnut St., Haddonfield, N. J.	. 5
3UJ	Campbell, James D	214 Wyncote Rd., Jenkintown, Pa	. 5
3CO	Campbell, James S	1700 S. 60th St., Philadelphia, Pa	. 5
3BW	Campbell, John W	1209 N. 25th St., Philadelphia, Pa	. 5
3AHA	Campbell, James D Campbell, James D Campbell, James S Campbell, John W Carlisle, John F Carpenter, C. Ellwood, jr Carrenter, C. Ellwood, jr Carrington, Roland Carroll, Louis, jr Carroll, Roy C Casay Howard	1015 10th Ave., Moore, Pa	. 5
3BX 3UN	Carpenter, C. Ellwood, Jr	Occor City N. I	. 5
3BA	Carrington Roland	347 Camel St. Baltimore Md	.5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5
3AAG	Carroll, Louis, ir	26 S. New Jersey Ave., Atlantic City, N. J.	. 5
3AB	Carroll, Roy C	918 Westminster St. NW., Washington, D. C	. 5
3AND	Casey, Howard	230 S. Connecticut Ave., Atlantic City, N. J	1.0
3QQ 3AIW	Casey, Howard Cassady, Park H Chadwich, Herbert E Chalmers, Edwin L	Hershey, Pa	1.0
3AIW	Chadwich, Herbert E	110 Walnut St., Jenkintown, Pa	. 5
3KO	Chambers, Edwin L	125 Burk Ave., Wildwood, N. J.	1.0
3ANL 3ASE	Channell John W	Philadelphia Pa (portable station)	1.0
3FM	Channell, John W	5213 Germantown Ave., Philadelphia, Pa	1.0
3ST 3SD	Chappell, Ralph R	2112 E. Clay St., Richmond, Va	.5
3SD	Chambers, Ivan F Channell, John W Channell, John W Chappell, Ralph R Cheltenham High School	Elkins Park, Pa	.5
3AHP	Chesser, Page P. A	Georgetown, Del	. 5
3DE	Chism, Thomas A	Hershey, Pa 110 Walnut St., Jenkintown, Pa 125 Burk Ave., Wildwood, N. J. 1519 Franklin St., Washington, Del Philadelphia, Pa. (portable station) 5213 Germantown Ave., Philadelphia, Pa 2112 E. Clay St., Richmond, Va Elkins Park, Pa Georgetown, Del 3617 O St. NW., Washington, D. C. 1217 Morris St., Philadelphia, Pa 2419 S. Juniper St., Philadelphia, Pa 38 N. Paxon St., Philadelphia, Pa 3725 Kossuth St., Baltimore, Md Middletown, Md	.5 .5 .5
3UT 3BG	Clark Edwin T	1217 Morris St., Philadelphia, Pa	. 5
3FO	Clark William R	28 N Payon St Philadelphia Pa	. 0
3FQ 3WN	Cloman, William E	3725 Kossuth St., Baltimore, Md.	. 5
3AOI	Coblentz, Philip O	Middletown, Md 1630 N. 5th St., Harrisburg, Pa. 611 Lombard St., Philadelphia, Pa. 600 S. 2d St., Philadelphia, Pa. 2245 N. 15th St., Philadelphia, Pa. 820 W. Fayette St., Baltimore, Md	.5
3AIA	Cocklin, Foster W	1630 N. 5th St., Harrisburg, Pa	1.0
3UR 3MP	Cohan, William W	611 Lombard St., Philadelphia, Pa	.5
3MP	Cohen, Henry	600 S. 2d St., Philadelphia, Pa	. 5
3CL 3AO	Collier Wilbur H	820 W Favette St. Baltimore Md	. 5
3AOR	Cook Charles F	Yardley Pa	.5
3CI	Cook, Howell E	Yardley, Pa. Seaside House, Atlantic City, N. J.	. 5
3CI 3ADO	Coombs, John S	Bethesda, Md	
3LR	Cooper, William F	Bethesda, Md´Franklin and Marshall Academy, Lancaster, Pa	.5
3WP	Cox, T. Newell	Pikesville, Md	. 5
SAEA	Crangle, Stuart M	Wynnewood Po	- 5
3AEA 3PT 3BE	Chappell, Ralph R Cheltenham High School Chesser, Page P A Chism, Thomas A Cianfrani, Theodore Clark, Edwin T Clark, William R Cloman, William R Coblentz, Philip O Cocklin, Foster W Cohan, William W Cohen, Henry Coleman, Walter V Cohan, William W Cohen, Henry Coleman, Walter V Cohen, Hony Collier, Wilbur H Cook, Charles F Coox, T Coox, T Newell Craigie, Stuart M Crager, E Clark Critchlow, P Crowley, Robert H Cullin, Ernest N Cunningham, G Blair Dalling, Howard Damon, Lester R Darby, Goorge B ir	Franklin and Marshall Academy, Lancaster, Pa. Pikesville, Md. 511 W. Grace St., Richmond, Va. Wynnewood, Pa. 2632 N. 17th St., Philadelphia, Pa. 23 N. Dewey St., Philadelphia, Pa. 1762 Willard St. NW., Washington, D. C. 1419 Linden St., Allentown, Pa. 2942 High St., Camden, N. J. 2517 N. 9th St., Philadelphia, Pa. 1 Bala Ave., Bala, Pa.	. 5 . 5 . 5 . 5 . 5 . 5 . 5 . 5
3QJ	Crowley, Robert H.	23 N. Dewey St., Philadelphia, Pa.	. 5
$^{3\mathrm{QJ}}_{3\mathrm{ARE}}$	Cullin, Ernest N	1762 Willard St. NW., Washington, D. C	. 5
3ANK	Cunningham, G. Blair	1419 Linden St., Allentown, Pa	. 5
3NC	Dalling, Howard	2942 High St., Camden, N. J.	. 5
3ASD	Daming, Howard Damon, Lester R. Darby, George B., jr. Darnell, Albert H., jr. Davis, Edwin L. Davis, Lewis V. Davis, Raymond Deerdon, Rowland P. 2d	2517 N. 9th St., Philadelphia, Pa	. 5
3FB 3WI	Darby, George B., Jr	1 Bala Ave., Bala, Pa Atlantic City, N. I.	. 5
3FA	Davis Edwin L	3812 8th St. NW. Washington D. C.	.5
3FA 3AOE	Davis, Lewis V	Burlington, N. J.	. 5
3WL	Davis, Raymond	1422 Perry Pl. NW., Washington, D. C	1.0
3UG	Dearden, Rowland R., 3d	11th St. and 69th Ave., Philadelphia, Pa	. 5
3AHT	Dearden, Rowland R., 3d Deavers, Wayne R	1815-A. W. Main St., Richmond, Va	.5
3QU	Deichmann, George L., jr	Park Heights Ave., Baltimore, Md	. 5
3QU 3FN 3FF	Demoster Warren I	2517 N. 9th St., Philadelphia, Pa.  1 Bala Ave., Bala, Pa.  129 S. Pennsylvania Ave., Atlantic City, N. J.  3812 8th St. NW., Washington, D. C.  Burlington, N. J.  1422 Perry Pl. NW., Washington, D. C.  11th St. and 69th Ave., Philadelphia, Pa.  1815-A W. Main St., Richmond, Va.  Park Heights Ave., Baltimore, Md.  1323 S. Carey St., Baltimore, Md.  118 Cleveland Ave., Norwood, Pa.  Collingswood, N. J.  Penns Grove, N. J.  47 Clapier St., Germantown, Pa.	.5
3LP	Densham Harry W	Collingswood N I	.5 .5 1.0
3FR	Densten, E. Craig	Penns Grove, N. J.	1.0
3QB	Derbyshire, Agnew W.	47 Clapier St., Germantown. Pa	.5
3HY	Derr, Francis S	36 Franklin St., Somerville, N. J.	.5
3FY	Deavers, Wayne R Deichmann, George L., jr. Deichmiller, Alvin. Dempster, Warren J Densham, Harry W Densten, E. Craig. Derbyshire, Agnew W Derr, Francis S Devlin, John L Dickerson, E. Stuart in	47 Clapier St., Germantown, Pa 36 Franklin St., Somerville, N. J. 5611 Angora Ave., Philadelphia. Pa. 121 W. Cedar Aye., Merchantville, N. J.	- 5
3JE 3AEW	Dickerson, E. Stuart, jr Dicks, Grover C. Dietz, Fred.	121 W. Cedar Ave., Merchantville, N. J. Hagerstown, Md. 2136 N. Orleans St., Philadelphia, Pa.	.5
			1 5

## THIRD DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
	Daniel Care Care		Kw.
3RD	Dimling, Rudolph G. A	Bancroft Pk., Baltimore, Md	0.
3IC	Dimling, Rudolph G. A Dingee, Alex. L. M Dolbow, George W	Paoli, Pa	1.
3AKK 3KH	Don Bosco Institute	507 S 9th St. Philadelphia Pa	100
3PG	Dorsey, Arthur	3601 Greenmount Ave., Baltimore, Md.	
3PG 3GJ	Dorsey, Arthur Doughty, William R Downes, Marlboro K	218 E. Park Ave., Haddonfield, N. J	
3MA	Downes, Marlboro K	1002 E. Broad St., Richmond, Va	
3LN	Doyle, John E	1931 N. Uber St., Philadelphia, Pa	1.
3BB 3DL	Drais William T	623 N. Penn St. Allentown Po	
3ARH	Drexel Radio Club	Drexel Institute, Philadelphia, Pa	
3MD	Dulany, Franklin R	5 W. Walnut Ave., Merchantville, N. J	
3LT	Dunbar, Lewis T	R. F. D. No. 1, Bristol, Pa.	
3AHO 3UM	Dunn, John M	30 Union St., Salem, N. J	
3UM.	Durham, Edmund B	4618 Springs St. Philadelphia Pa	
3VA 3AK	Duvall, Edward B	1027 Madison Ave., Baltimore, Md.	
3SC	Ecton, Albert F	8224 7th St. SW., Washington, D. C	
3T.I	Doyle, John E.  Dralovec, Dalibor  Dreis, William J.  Drexel Radio Club  Dulany, Franklin R.  Dunbar, Lewis T.  Dunn, John M.  Durham, Edmund B.  Durham, Wilson N.  Duvall, Edward B.  Ecton, Albert F.  Edson, Howard D.  Edwards, Charles.  Egan, John E.	1505 N. Gratz St., Philadelphia, Pa	
3FV 3BN	Edwards, Charles	3345 Ella St., Philadelphia, Pa	
3BN 3VI	Egan, John E	3196 N 7th St Philadelphia Pa	
3IH	Eisele, Edward, ir	1116 Glenwood St., Philadelphia, Pa.	13
3AKI	Egner, John Eisele, Edward, jr. Eisenhard, Stanley E. Eisenhauer, Harry D.	Bancroft Pk., Baltimore, Md. Paoli, Pa.  215 W. 22d St., Wilmington, Del. 507 S. 9th St., Philadelphia, Pa. 3601 Greenmount Ave., Baltimore, Md. 218 E. Park Ave., Haddonfield, N. J. 1002 E. Broad St., Richmond, Va. 1931 N. Uber St., Philadelphia, Pa. 3535 N. Water St., Philadelphia, Pa. 623 N. Penn St., Allentown, Pa. Drexel Institute, Philadelphia, Pa. 5 W. Walnut Ave., Merchantville, N. J. R. F. D. No. 1, Bristol, Pa. 30 Union St., Salem, N. J. 85 South St., Somerville, N. J. 4618 Spruce St., Philadelphia, Pa. 1027 Madison Ave., Baltimore, Md. 8222 7th St. SW., Washington, D. C. 1505 N. Gratz St., Philadelphia, Pa. 3345 Ella St., Philadelphia, Pa. 332 N. Merrine St., Philadelphia, Pa. 3126 N. 7th St., Philadelphia, Pa. 3126 N. 7th St., Philadelphia, Pa. 3116 Glenwood St., Philadelphia, Pa. 3116 Glenwood St., Philadelphia, Pa. 3117 Ith St., Reading, Pa. 407 Wayne Ave., Wayne, Pa. 717 7th St. SE., Washington, D. C. Bethesda, Md.	1.
3AKT	Eisenhauer, Harry D	744 N. 11th St., Reading, Pa	
3KT	Elder, Lucius W	407 Wayne Ave., Wayne, Pa	
3BQ	Eller, George O	Pothesda Md	- :
$^{3 m ADL}_{3 m LU}$	Eisenhauer, Harry D Elder, Lucius W Eller, George O Ellis, Edmund K Ellis, J. Elton Ellis, William G Ely, Harry S Endress, John N Enslin, Louis R Ensor, John S Eyster, James A	Bethesda, Md. 1929 Hoffman St., Philadelphia, Pa. 2204 N. 15th St., Philadelphia, Pa. Overlea, Md.	
3CR	Ellis, William G	2204 N. 15th St., Philadelphia, Pa.	1.
3AW	Ely, Harry S	Overlea, Md	1.
3ADR	Endress, John N	2430 Jefferson St., Harrisburg, Pa. 1731 N. 21st St., Philadelphia, Pa.	1.0
3AKE 3AME	Enslin, Louis R	Mt Washington Md	
3DR	Eyster, James A	317 Washington Ave. Haddonfield N. J.	1 1
3ATR	Falconer Norwood B .	Mt. Washington, Md. 317 Washington Ave., Haddonfield, N. J. 1630 Bolton St., Baltimore, Md. 512 Franklin Ter. Baltimore, Md. 512 Franklin Ter. Baltimore, Md. Llankerris Rd., Bala, Pa. 1535 Clifton St., Baltimore, Md. 728 Hamilton St., Allentown, Pa. 269 W. Thayer St., Philadelphia, Pa. 19 Park Ave., Ogontz, Pa. Windsor Mill Rd., Baltimore, Md. Park Heights Ave., Baltimore, Md. 3409 Baring St., Philadelphia, Pa. 219 39th St., Norfolk, Va. 448 Royden St., Camden, N. J. Laurel Springs, N. J. 136 York Ave., West Cape May, N. J. 3520 Disston St., Philadelphia, Pa. 313 E. Commerce St., Bridgeton, N. J. 1358 South Carolina Ave. SE., Washington, D. C. 4535 N. 17th St., Philadelphia, Pa. Polkville, N. J. 103 Summit Ave., Jenkintown, Pa. Mineral, Va. 27-30 N. 7th St., Philadelphia, Pa.	
3HT	Falkenberg, August E. Faries, Walter R. Faulstich, Chester W.	512 Franklin Ter., Baltimore, Md	1.0
3LM	Faries, Walter R	Llankerris Rd., Bala, Pa	
3AAU 3OT	Faulstich, Chester W Faust, Elmer J Feiler, Frederick W Fell, David B Fenimore, Robert S Fenton, Edward T Ferris, Malcolm Field, Harry P Finger, Russell W Fink, Louis, 3d Fisher, John T Fisher, Roy S Fithian, Wm. S., jr. Flather, Bryan S Flegel, William M Flounders, Newton	798 Hamilton St., Baltimore, Md	
3BI	Feiler, Frederick W	269 W. Thaver St., Philadelphia, Pa	
3TR	Fell, David B	19 Park Ave., Ogontz, Pa	
3JU	Fenimore, Robert S	Windsor Mill Rd., Baltimore, Md	
3RC 3CH	Fenton, Edward T	Park Heights Ave., Baltimore, Md	
3IX	Field Harry P	219 39th St. Norfolk Va	
3CQ	Finger, Russell W	448 Royden St., Camden, N. J.	
30P	Fink, Louis, 3d	Laurel Springs, N. J	
3IW	Fisher, John T	136 York Ave., West Cape May, N. J	1.0
$^{ m 3DZ}_{ m 3HO}$	Fisher, Roy S	212 F. Commerce St. Bridgeton N. I.	1.
3BH	Flather, Bryan S	1358 South Carolina Ave. SE., Washington, D. C.	
3AFH	Fliegel, William M	4535 N. 17th St., Philadelphia, Pa	
3VX 3ARM	Flounders, Newton	Media, Pa	1.
3ARM	Flumerfelt, E Clinton	Polkville, N. J	
3AMA 3KC	Flynn Thomas F	Mineral, Va	
3QY	Flounders, Newton. Flumerfelt, E Clinton. Fow, Osear A. Flynn, Thomas F. Frank H. Stewart Electric Co.	37–39 N. 7th St., Philadelphia, Pa	
3JN	Franklin and Marshall Acad-	236 N. 53d St., Philadelphia, Pa	
	emy. See Cooper, Wil-		
3VS	Ham F. French, Edward R., jr Fricke, Henry W. L. Frye, Marcus, jr Fulton, Harold E. Gains, George A. Gardner, James A. Gardner, William L. Gaskill, William W. Gaskins, Richard W. Gaty John P. and Lewis R.	231 9th St. SE., Washington, D. C.  801 Aisquith St., Baltimore, Md. 616 Elmer St., Vineland, N. J. 1643 Turner St., Allentown, Pa. 804 W. Saratoga St., Baltimore, Md. 14 1st Ave., West Catasauqua, Pa. 1612 N. 4th St., Harrisburg, Pa. 226 E. Washington Ave., Merchantville, N. J. 931 North St., Portsmouth, Va. 29 Morris Ave., Morristown, N. J. 221 5th St. SE., Washington, D. C. 2583 W. Fayette St., Baltimore, Md. 222 W. Wyoming Ave., Philadelphia, Pa.	1.0
3EL 3NB	Fricke, Henry W. L	801 Alsquith St., Baltimore, Md	1.0
3QP	Fulton, Harold E	1643 Turner St., Allentown, Pa	
3AMG	Gains, George A	804 W. Saratoga St., Baltimore, Md	
3JV	Gardner, James A	14 1st Ave., West Catasauqua, Pa	
3MT	Gardner, William L	1612 N. 4th St., Harrisburg, Pa.	
3NF	Caskins Richard W	220 E. Washington Ave., Merchantville, N. J	100
3AY 3WN	Gaty John P and Lewis R	29 Morris Ave. Morristown, N. J.	1.0
3WN 3CU 3LX	Gaty, John P. and Lewis R. Gause, Harry W. Geiglein, Henry S.	221 5th St. SE., Washington, D. C.	1.0

## THIRD DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power.
100			Kw.
3ATH	George, John R. Gerns, William H. Gleske, Alfred W., jr. Gilbert, Clifford W. Gilbert, Harry P., jr. Giles, Larkin. Gillen, John J. Gillingham, Geo. L. jr.	5150 Knox St., Philadelphia, Pa	0. 8
3AV	Gerns, William H	1663 Wisconsin Ave. NW., Washington, D. C	T F
3SX	Gieske, Alfred W., jr	Catonsville, Md.	1.0
3AOP 3UA	Gilbert Harry P ir	Catonsville, Md. 1620 N. 17th St., Philadelphia, Pa. 809 Emmet St., Portsmouth, Va. 1307 Clayton St., Wilmington, Del. 1212 Christian St., Philadelphia, Pa.	
3AHI	Giles, Larkin	1307 Clayton St. Wilmington Del	
3ARI	Gillen, John J.	1334 Christian St., Philadelphia, Pa., 4508 Richmond St., Bridesburg, Pa. 2702 N. Calvert St., Baltimore, Md., 134 Folsom Ave., Atlantic City, N. J.	
3ARI 3AZ	Gillingham, Geo. L., jr	4508 Richmond St., Bridesburg, Pa	
3AR	Gilpin, Levering H	2702 N. Calvert St., Baltimore, Md	1. (
311	Gillingham, Geo. L., jr. Gillingham, Geo. L., jr. Gilpin, Levering H. Gleisner, Francis W. Glenside Wireless Associa- tion. See Zabel, Leroy E. Gluck, Earl. Godfrey, Clarence M. Godfrey, Earl. Godfrey, Howard L.		
3AIF	Chick Forl	Barwiels Ava Hamilton Md	
3LO	Godfrey, Clarence M	915 14th St. SE. Washington D. C.	
3IF	Godfrey, Earl	145 St. Charles Pl., Atlantic City, N. J.	
3NK	Godfrey, Howard L. Godfrey, Howard L. Godfrey, James M. Goebel, Eugene S. Goldstein, William. Goodall, Albert B.	2150 N. Corlies St., Philadelphia, Pa	
3FG	Godfrey, James M	5037 Springfield Ave., Philadelphia, Pa	
3WX 3AKM	Goebel, Eugene S	1601 Columbia Ave., Philadelphia, Pa	
3KB	Goodell Albert B	518 Phode Island Ave. NF. Washington D. C.	
3JZ	Goodling, David H	330 N. Madison St., Allentown, Pa	
3WO	Goodwin, Harold F	4941 N. 5th St., Philadelphia, Pa.	
3WO 3UY	Goodall, Albert B. Goodding, David H. Goodwin, Harold F. Gordon, Horace W. Grant, Arthur F. Gravely, Willis T. Gray, Gerald. Gray, Karl F. Green, Anthony J. Green, Daniel J. Greenfield, Robert H. Gresh, Harold.	Berwick Ave., Hamilton, Md	
30T	Grant, Arthur F	2112 Venango St., Philadelphia, Pa 854 Main St., Danville, Va 92 Main St., Danville, Va 92 Main St., Newton, N. J. 113 Northampton St., Easton, Pa 1112 S. Lakewood Ave., Baltimore, Md. 610 Washington St., Cape May, N. J. 1626 W. Ontario St., Philadelphia, Pa. Main St. and Franklin Ave., Norristown, Pa. 114 W. 13th St., Wilmington, Del. 114 W. 13th St., Wilmington, D. C. 11415 Louden St., Philadelphia, Pa. 23 Walnut St., Salem, N. J. 1410 Buttonwood St., Philadelphia, Pa. 20 Tenby Rd., Llanerch, Pa. 3429 Frederick Ave., Baltimore, Md. 2011 Atlantic Ave., Atlantic City, N. J. 1486 Maple Ave., Collingswood, N. J. 233 Lancaster Ave., Wayne, Pa. 286 V St. NW., Washington, D. C. Clarke's Lane, Arlington, Md. 105 E. Crocus Rd., Wildwood Crest, N. J. 640 Lake St., Lancaster, Pa. 1822 Spruce St., Philadelphia, Pa.	1.0
3RO 3KM	Gravely, Willis T	854 Main St., Danville, Va	1. (
3EX	Grav Karl F	113 Northampton St. Faston Pa	
3KF	Green, Anthony J	1112 S. Lakewood Ave., Baltimore, Md.	
3HC	Green, Daniel J	610 Washington St., Cape May, N. J.	1
3AKH	Greenfield, Robert H	1626 W. Ontario St., Philadelphia, Pa	1. (
3AGT	Gresh, Harold	Main St. and Franklin Ave., Norristown, Pa	1. (
3ANF 3VK 3PZ	Gresh, Harold	2104 P St NW Washington D C	
3PZ	Griffith Elmer G	1415 Louden St. Philadelphia Pa	
3MK	Griscom, Samuel B	32 Walnut St., Salem, N. J.	1
3AL 3ATG	Griscom, Samuel B. Guenzel, Herman A.	410 Buttonwood St., Philadelphia, Pa	
3ATG	Gummere, John F Haake, William F Haas, Jerome S	20 Tenby Rd., Llanerch, Pa	
3HD 3RQ	Haake, William F	2011 Atlantic Ave. Atlantic City N. I.	
3Q.F	Haig, J. Donald	118 E. Maple Ave., Merchantville N. J.	
3QF 3NM	Haldeman, George E	849 Maple Ave., Collingswood, N. J.	
3AIG	Haldeman, George E Hale, Charles W Hall, Leroy. Hall, Robert S Hamburg, Russell. Hammell, William C Hammill, McClintock, jr.	233 Lancaster Ave., Wayne, Pa	.:
30D	Hall, Leroy	86 V St. NW., Washington, D. C	
3QV 3PR	Hamburg Russell	105 E. Crocus Rd. Wildwood Crost N. I.	
3ASW	Hammel, William C	640 Lake St., Lancaster, Pa	
3ASW 3RV	Hammill, McClintock, jr	640 Lake St., Lancaster, Pa. 1822 Spruce St., Philadelphia, Pa. 731 Newington Ave., Baltimore, Md. 206 E. Preston St., Baltimore, Md. 150 S. Willow Grove Pike, Glenside, Pa.	1
3JT 3JY	Hampson, George M	131 New mg ton Ave., Daithnore, Md	
3JY	Hann, Charles B	206 E. Preston St., Baltimore, Md.	
3HR 3ADF	Harriel Leonard B	900 Holladay St. Portsmouth Va	1 .:
3PH	Harris, Edwin R	61 N. 61st St., Philadelphia, Pa.	- 1
3PJ	Hanni, Charles B Harmer, Robert H Harrell, Leonard B Harris, Edwin R Harris, S. Sylvan. Harris, William J. Harsch, Lawrence P Hart, Robert M. Hartley, Milton E Harvey, Walter E Harvey, Walter E Harwey, Walter E Harwey, Joseph F Haslett, Harold D Hastings, Harris.	900 Holladay St., Portsmouth, Va. 61 N. 61st St., Philadelphia, Pa. 3413 Judson St., Philadelphia, Pa. 23d and Howard Sts., Chester, Pa.	1.0
3LY	Harris, William J	23d and Howard Sts., Chester, Pa.	
3QW 3AMD	Harsch, Lawrence P	Mt. Ranier, Md. 208 St. Martins Rd., Baltimore, Md. 635 E St. SE., Washington, D. C.	
3IS	Hartley, Milton E	635 E St. SE., Washington D C	
3VJ	Harvey, Edmund H	Secane. Pa	
3ART	Harvey, Walter E	233 N. Broad St., Trenton, N. J.	
3FS	Harwood, Theodore O	1326 N. Broadway, Baltimore, Md	. !
3ID 3AED	Hasenius, Joseph F	2328 N. Fairnill St., Philadelphia, Pa	
3ADT	Hastings, Harris	905 R St. NE. Washington D. C.	
3ASR	Hauf, Joseph C., jr.	635 E St. SE., Washington, D. C. Secane, Pa	
3LI	Heck, Lewis O	1614 Webster St., Baltimore, Md	
3NX	Heintzelman, Walter	312 N. 14th St., Allentown, Pa	
3ATD 3ANO	Hastings, Harris. Hauf, Joseph C., jr. Heck, Lewis O Heintzelman, Walter. Heist, Le Roy E. Henneberger, Hubert. Hemphill, William J., jr. Hernandez, Roger B	1614 Webster St., Baltimore, Md. 1312 N. 14th St., Allentown, Pa. 2415 N. Capitol St., Washington, D. C. 15 Cannon Ave., Hagerstown, Md. 235 W. Wyoming Ave., Philadelphia, Pa.	1.
3AGE	Hemphill William I in	235 W Wyoming Ave Philadelphia Pe	1. (
3LM	Hernandez, Roger B.	1326 Chew St., Allentown, Pa	
3DW	Hermanns, A. Walter	Philadelphia, Pa. (portable station)	
3SZ	Hernandez, Roger B. Hermanns, A. Walter. Herndon, Landon C.	409 Middle St., Portsmouth, Va.	
3GP 3EM	Hettinger, Alfred C	128 S. Church St., Allentown, Pa	
3HM	Hettinger, Alfred C Heyser, Wilber A Hickman, Paul W Hicks, Thomas R	235 W. Wyolimig Ave., Philadelphia, Pa. 1326 Chew St., Allentown, Pa Philadelphia, Pa. (portable station). 409 Middle St., Portsmouth, Va. 128 S. Church St., Allentown, Pa. 337A Marshall St., Norristown, Pa. 1917 Green St., Philadelphia, Pa. 425 Miner St., West Chester, Pa.	
3AAX		Towns of the state	1.

# AMATEUR RADIO STATIONS—Continued. THIRD DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power	
			Kw.	
3PV 3OO 3ND	Hiestand, Benjamin	Marietta, Pa	0.	
3ND	Hirst Arthur C	Marietta, Pa 1615 S. 5th St., Philadelphia, Pa Haverford, Pa		
3MF	Hiestand, Benjamin Hindin, Louis N. Hirst, Arthur C. Hitchner, Clyde G. Hoagland, Donald Hodges, R. E. L. Hodges, Thomas L. Hoff, J. Marshall Hoffman, George A	Haverford, Pa.  405 8th St., Vineland, N. J.  405 8th St., Vineland, N. J.  2648 Maryland Ave., Baltimore, Md.  4909 Knox St., Philadelphia, Pa.  1416 Liberty St., Trenton, N. J.  3d and Cherokee St., South Bethlehem, Pa.  Mt. Washington, Md.  120 E. Dover St., Easton, Md.  1932 Page St., Philadelphia, Pa.  136 D St. SE., Washington, D. C.  3214 West Ave., Newport News, Va.  734 Market St., Camden, N. J.  New Cumberland, Pa.  221 Park Ave., Swarthmore, Pa.  Clinton, N. J.  2303 N. Broad St., Philadelphia, Pa.  2303 N. Broad St., Philadelphia, Pa.  1906 Wolf St., Philadelphia, Pa.		
3MF 3JX	Hoagland, Donald	43 Lake St., Bridgeton, N. J.		
BRI BATF	Hodges, R. E. L	2648 Maryland Ave., Baltimore, Md	-10	
3ATF	Hodges, Thomas L	3408 Duvall Ave., Baltimore, Md	11 /2 %	
3RU 3KK	Hoff, J. Marshall Hofmann, George A. Hogan, Harold O. Holloway, J. Q. A. Hollyday, H. Robins. Holstein, Hubert. Holt, Clarence J. Hopkins, James R. Horner, George E. Houck, Harry W. Howard, H. Trumbull Howell, S. Van S. Howlett, Joseph T. F.	4909 Knox St., Philadelphia, Pa		
3 A O	Hogan Harold O	2d and Charokea Sts. South Pothlaham, Po		
3AQ $3AMP$	Holloway, J. Q. A	Mt. Washington, Md		
BEZ BAEN	Hollyday, H. Robins	120 E. Dover St., Easton, Md		
BAEN	Holstein, Hubert	1932 Page St., Philadelphia, Pa	-/13	
BPS	Holt, Clarence J	136 D St. SE., Washington, D. C.		
SAAK	Hopkins, James R	3214 West Ave., Newport News, Va	1	
RAHK	Houck Harry W	New Cumberland Pa	1	
3AAK 3AET 3AHK 3PX 3UC	Howard, H. Trumbull	221 Park Ave., Swarthmore, Pa.	-	
BUC	Howell, S. Van S	Clinton, N. J.		
BUF	Howlett, Joseph T. F	2303 N. Broad St., Philadelphia, Pa	1	
BUP	Howlett, Joseph T. F	2303 N. Broad St., Philadelphia, Pa. (portable station).	1	
BUQ BAFO	Huddy James I ir	Mt. Pocono, Pa.	1	
BARN	Hunt Harry L	1006 Wilkesharra St. Easton Pa		
BARP	Hunter, H. Clifford	226 E. Lancaster Ave., Wayne, Pa.		
BTE	Howell, S. Van S. Howlett, Joseph T. F. Howlett, Joseph T. F. Howlett, Joseph T. F. Huddy, James J., jr Hunt, Harry L. Hunter, H. Clifford. Huyette, Paul B. Huyler, Rollin M. Iddings, Frederick T. Imfeld, Fred, jr. Jacoby, Arthur C. Jewett, R. W. Dickinson. Jodry, Ray S. Jones, John W. Jones, John W. Jones, LaFrantz. Jones, Winters Jordan, Pendleton A., jr.	Mt. Pocono, Pa.  1906 Wolf St., Philadelphia, Pa.  1006 Wilkesbarre St., Easton, Pa.  226 E. Lancaster Ave., Wayne, Pa.  4601 Wayne Ave., Philadelphia, Pa.  Mt. Tabor, N. J.  1608 Linden Ave., Baltimore, Md.  117 N. 6th St., Philadelphia, Pa.  Bridgeport, N. J.  517 Linden St., Allentown, Pa.  1833 Jefferson Pl. NW., Washington, D. C.  Quincy, Pa.  328 Cooper St., Camden, N. J.		
BWF	Huyler, Rollin M	Mt. Tabor, N. J.		
BLB	Iddings, Frederick T	1608 Linden Ave., Baltimore, Md		
BCJ BADI	Imfeld, Fred, Jr	Bridgeport N I		
BOV	Jacoby, Arthur C.	517 Linden St., Allentown, Pa		
BAU	Jewett, R. W. Dickinson	1833 Jefferson Pl. NW., Washington, D. C.		
RMZ	Jodry, Ray S	Quincy, Pa	1	
BOG BNP	Jones, John W	328 Cooper St., Camden, N. J.		
BLC	Jones, LaFrantz	923 French St., Wilmington, Del.	- 76	
BASK	Jones, Winters. Jordan, Pendleton A., jr. Judson, Elbert B. Keim, Jonathan D. Keller, John H. Keller, Kenneth W. Keller, Paul A. Keller, Charles	Quincy, Pa 328 Cooper St., Camden, N. J. 923 French St., Wilmington, Del. 728 N. Monroe St., Baltimore, Md 339 Main St., Suffolk, Va 111 13th St. SE., Washington, D. C. 81 Keim St., Pottstown, Pa. 2631 N. 6th St., Harrisburg, Pa. 2631 N. 6th St., Harrisburg, Pa. 13th St. and Lehigh Ave., Phila., Pa 1208 St. Matthew St., Baltimore, Md 1042 S. Paxon St., Philadelphia, Pa. 28 S. Market St., Frederick, Md 2052 E. Fletcher St., Philadelphia, Pa. Philadelphia, Pa. (portable station)		
BTB	Judson, Elbert B	111 13th St. SE., Washington, D. C.		
SATE	Keim, Jonathan D	81 Keim St., Pottstown, Pa		
BAHD	Keller, John H	2631 N. 6th St., Harrisburg, Pa.		
3WZ	Keller, Kenneth W	159 Harrison Ave., Glenside, Pa.	200	
3AHD 3WZ 2WW 3TZ	Keller, Paul A	13th St. and Lenigh Ave., Filla., Fa	-	
BARG	Keller, Paul A Kellert, Charles Kelley, Ray F Kennedy, Ignatius L Kennedy, Ignatius L Kennedy, Joseph H Kenyon, Walter R Kenyon, Walter R Kiensst, Joseph Kindt, Charles F, Jr King, Albert King, Charles E Kirby, Elmer S Kline, H. N. Gay Klock, Victor J Knight, G. Webber, jr Knoll, Lloyd M Knople, Herman L	1042 S. Paxon St., Philadelphia, Pa		
SOB	Kennedy, Ignatius L	28 S. Market St., Frederick, Md.		
BEP	Kennedy, Joseph H	2052 E. Fletcher St., Philadelphia, Pa	1	
BAOK	Kenyon, Walter R	Philadelphia, Pa. (portable station). 1838 Columbia Ave., Philadelphia, Pa. Columbia Rd., Burlington, N. J. 301 Washington Lane, Jenkintown, Pa. 209 St. Mary St., Burlington, N. J. Calvert Court Apts., Baltimore, Md. 5300 Glenmore Ave., Philadelphia, Pa. 17 E. 12th St., Ocean City, N. J. 707 N. Seventh St., Camden, N. J. 1545 Walnut St., Harrisburg, Pa. 2260 Chestnut St., Philadelphia, Pa. 240 Greenwich St., Reading, Pa. 136 Lismore Ave., Glenside, Pa. 1100 W. State St., Trenton, N. J. 2908 West Ave., Newport News, Va. Kensington, Md. 451 Lincoln Ave., Pottstown, Pa.	1	
BSH	Kenyon, Walter R	1838 Columbia Ave., Philadelphia, Pa	1.	
BAOL BTT	Kindt Charles F ir	201 Washington Lane Jenkintown Pa		
BMM	King, Albert	209 St. Mary St., Burlington, N. J.		
3SV 3RP	King, Charles E	Calvert Court Apts., Baltimore, Md	400	
3RP	Kirby, Elmer S	5300 Glenmore Ave., Philadelphia, Pa		
BRH	Kline, H. N. Gay	17 E. 12th St., Ocean City, N. J.		
BAAO	Klock, Victor J	1545 Wolnut St., Camden, N. J.	1	
RIO	Knoll, Lloyd M	3260 Chestnut St., Philadelphia, Pa	1	
BAEH	Knoll, Lloyd M	240 Greenwich St., Reading, Pa		
RST.	Knoppel, Herman L.  Knowles, Edward P.  Krone, Julian E.  Kumler, Kelvin C.  Kupp, Clarence L.	136 Lismore Ave., Glenside, Pa		
BFJ BTY BEI	Knowles, Edward P	1100 W. State St., Trenton, N. J.		
STY	Krone, Julian E	2908 West Ave., Newport News, Va		
SSQ	Kunn Clarence L	451 Lincoln Ave Pottstown Pa	1	
CF	Lager, Creston F	1029 Belmont Ave., West Philadelphia, Pa.	1	
BCF BGV	Laager, Creston F Laber, Joseph M	2422 N. Gratz St., Philadelphia, Pa		
SOS	Lafferty, Francis A	1717 Ingersoll St., Philadelphia, Pa		
BVD	Lamb, Franklin	623 Elmer St., Vineland, N. J.		
BUB BME	Lamb, Koland H	4016 Edmonson Ave., Baltimore, Md.	110	
STC	Landis Harry	2461 N. 28th St. Philadelphia Pa	3.4	
3Q.G	Landis, Harold O.	341 N. Front St., Reading, Pa.		
3CW	Lange, J. Robert	1938 Lemmon St., Baltimore, Md		
3QG 3CW 3AAB	Lamsford, Willis R	3607 13th St., N. W., Washington, D. C.		
3EB	Laber, Joseph M. Lafferty, Francis A. Lamb, Franklin. Lamb, Roland H. Lamdin, Charles R. Landis, Harry. Landis, Harold O. Lange, J. Robert. Lamsford, Willis R. LaSalle College. Layton, Howard H.	1240 N. Broad St., Philadelphia, Pa	1	
3ADE 3AHE	Layton, Howard H	Kensington, Md. 451 Lincoln Ave., Pottstown, Pa 1029 Belmont Ave., West Philadelphia, Pa. 2422 N. Gratz St., Philadelphia, Pa. 1717 Ingersoll St., Philadelphia, Pa. 1718 Gorsuch Ave., Baltimore, Md. 4016 Edmonson Ave., Baltimore, Md. 2461 N. 28th St., Philadelphia, Pa. 341 N. Front St., Reading, Pa. 1938 Lemmon St., Reading, Pa. 360 Ti3th St., N. W., Washington, D. C. 1240 N. Broad St., Philadelphia, Pa. 805 Washington St., Wilmington, Del. 576 Madison Ave., York, Pa. 1931 N. 23d St., Philadelphia, Pa. 5116 N. 12th St., Philadelphia, Pa.	1	
3ED	Lazarus, Sanford S Legg, Albert A	1931 N. 23d St., Philadelphia, Pa	1	
301	Lehmberg, Henry	5116 N. 12th St., Philadelphia, Pa.	-	

## THIRD DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power	
200			Kw.	
3AHW 3OA 3ADI	Leigh, Walter S. Lentz, Arthur F. Leopold, William Lesky, William Leslie, Malcolm C. Lever, Haseltine S. Levin, Davis. Levy, Lewis. Lewis, Ellis	Clinton, N. J.  18 Fairview St., West Catasauqua, Pa.  2110 N. 4th St., Philadelphia, Pa.  2800 Snyder Ave., Philadelphia, Pa.  749 Asbury Ave., Ocean City, N. J.  Abington, Pa.  44 S. Bond St., Baltimore, Md.  243 E. Pearl St., Burlington, N. J.  658 Linden Ave., York, Pa.  5108 Whitney Ave., Philadelphia, Pa.  4014 Pennurst Ave., Baltimore, Md.  201 Massachusetts Ave., Atlantic City, N. J.  222 Jackson St., Trenton, N. J.	0.	
BOA	Lentz, Arthur F	18 Fairview St., West Catasauqua, Pa		
BADI	Leopold, William	2110 N. 4th St., Philadelphia, Pa		
BAAE	Lesky, William	2800 Snyder Ave., Philadelphia, Pa		
TW	Lesile, Malcolm C	Abjusten Po		
OT.A	Lavin Davis	44 S Rond St Baltimore Md	:	
BLA BOH	Levy, Lewis.	243 E. Pearl St., Burlington, N. J.		
RB	Lewis, Ellis	658 Linden Ave., York, Pa.	1.	
BAAL	Levis, Lewis. Lewis, John B. Lewis, John C., jr. Lewis, Joseph A. Lewis, Max J. Lewis, Samuel W. Liddell, Harry M. Linthiquer, Herman E. Linthiquer, Bobert E.	5108 Whitney Ave., Philadelphia, Pa		
BASP	Lewis, John C., jr	4014 Pennurst Ave., Baltimore, Md		
BASV	Lewis, Joseph A	201 Massachusetts Áve., Atlantic City, N. J. 222 Jackson St., Trenton, N. J. 121-B North Mass. Ave., Atlantic City, N. J. 224 W. Poplar Ave., Wildwood, N. J. 3409 Piedmont Ave., Baltimore, Md. 2013 Benning Rd., NE., Washington, D. C. 1712 Spruce St., Philadelphia, Pa. 102 Overbrook Ave., Trenton, N. J. 2122 Flagler Pl., NW., Washington, D. C. 133 Runnymede Ave., Wayne, Pa. 216 Zeraldo St., Philadelphia, Pa. 3038 R St., NW., Washington, D. C. Jenkintown, Pa.		
BAKN	Lewis, Max J	222 Jackson St., Trenton, N. J.		
BAEK	Lewis, Samuel W	121-B North Mass. Ave., Atlantic City, N. J		
BAIN	Lindener Herman F	2400 Piedmont Ave. Baltimore Md		
BUE BAMO	Linthicum, Robert E	2013 Renning Rd. NE. Washington D. C.		
BAFN	Lippingott Portrom	1712 Spruce St., Philadelphia, Pa.		
AOS	Lister, Robert W	102 Overbrook Ave., Trenton, N. J.		
BAFK	Lohr, Allen W	2122 Flagler Pl., NW., Washington, D. C		
BQE BRE	Long, Perry H	133 Runnymede Ave., Wayne, Pa		
BRE	Lister, Robert W. Lohr, Allen W. Long, Perry H. Longaker, Abram	216 Zeraldo St., Philadelphia, Pa		
3AAD	Longfellow, Charles F., jr	3038 R St., NW., Washington, D. C		
3DU	Longfellow, Charles F., jr. Louehheim, William S. Loughlin, John K. Lowell, Percival D. Lower Marion High School.	Jenkintown, Pa. 2215 Hunting Park Ave., Philadelphia, Pa. 2838 27th St., NW., Washington, D. C.		
BUX BDI	Loughin, John K	2215 Hunting Park Ave., Philadelphia, Pa		
SWO	Lower Marion High School	Ardmore, Pa		
3WQ 3AAR	Lum Robert R	64 Greene Ave. Madison, N. J.	1	
3PM	Lum, Robert B. Lusse, Richard N. Lutz, John M. Lynn, Thomas H. Lyon, Harry H.	Hardinore, I. and Arabinan, N. J. 2855 N. 8th St., Philadelphia, Pa. 119 F. Wildwood Ave., Wildwood, N. J. Hyattsville, Md.		
BNY	Lutz, John M	119 E. Wildwood Ave., Wildwood, N. J		
BDY	Lynn, Thomas H	Hyattsville, Md		
3LG	Lyon, Harry H	Hyattsville, Md.		
3UL	Lyon, Itaymond B	527 William St., Boonton, N. J.	-	
3GH	MacDonlad, Stuart	209 N. 53rd St., Philadelphia, Pa		
3EQ	MacDoniad, Stuart MacKendrick, Robert G Mahlmeister, Eugene, jr Majer, Carl T Mandelkern, Maurice H Mandeville, Francis T Markham, Lester M Martin, E. Linton Martin, Instus L	307 Amos Land Rd., Holmes, Pa	. 1	
3IA 3AM	Manimelster, Eugene, Jr	Philadelphia Pa (portable station)		
3MR	Mandelkern Maurice H	2349 N 15th St. Philadelphia, Pa.		
3TS	Mandeville, Francis T	116 Church St., Boonton, N. J.		
3MH	Markham, Lester M	5108 Baltimore Ave., Philadelphia, Pa		
3ES 3AHF	Martin, E. Linton	315 Radcliffe St., Bristol, Pa		
3AHF		721 W. Fayette St., Baltimore, Md		
3ASI	Marts, Harvey Maryland School of Telegra-	Hyattsville, Md.  Hyattsville, Md.  527 William St., Boonton, N. J.  209 N. 53rd St., Philadelphia, Pa.  307 Amos Land Rd., Holmes, Pa.  1801 N. 13th St., Philadelphia, Pa.  Philadelphia, Pa. (portable station).  2349 N. 15th St., Philadelphia, Pa.  116 Church St., Boonton, N. J.  5108 Baltimore Ave., Philadelphia, Pa.  315 Radeliffe St., Bristol, Pa.  721 W. Fayette St., Baltimore, Md.  836 Central Ave., Ocean City, N. J.  Baltimore, Md.		
3ER	phy.			
3AIV	Mastin, Marion G	1438 Meridian Pl. NW., Washington, D. C	-	
3NR	Maul, Gilbert E	Vengington Md	-	
3DO	Mc Allister Louis F	807 Ashury Ave. Ocean City, Md		
STU	McAnally, Charles G	1601 Lincoln Ave., Moore, Pa		
3ADS 3TU 3DJ	McCarter, William F	4718 N. Camac St., Philadelphia, Pa		
3JL	Maul, Gilbert E.  Maxson, Donald L.  McAllister, Louis E.  McAnally, Charles G.  McCarter, William F.  McCaskey, Edward R.  McClanen, Wilson T.  McCloskey, J. Leonard.  McCullough, Earl N.  McDowell, Albert P. jr.  McGear, Herbert K  McIntosh, Howard F.  McIntyre, Wm.  McIver, Renwick S.  McKinley, Richard S., jr.  McKnett, Robert R.  McNair, William D.  McVickar, W. Patton.	1438 Meridian Pl. NW., Washington, D. C. Chatham, N. J. Kensington, Md. 807 Asbury Ave., Ocean City, Md 1601 Lincoln Ave., Moore, Pa. 4718 N. Camao St., Philadelphia, Pa. 1029 Main St., Darby, Pa. 3326 Van Kirk St., Wissinoming, Pa. 112 Broad St., Palmyra, N. J. 125 N. Gross St., Philadelphia, Pa. 41 Carpenter Lane, Philadelphia, Pa. 41 Carpenter Lane, Philadelphia, Pa.		
3AIS	McClanen, Wilson T	3326 Van Kirk St., Wissinoming, Pa	-	
3Q0 3LZ	McCloskey, J. Leonard	112 Broad St., Palmyra, N. J	-	
3LL	McCunough, Earl N	41 Corporter Lane Philadelphia Pa	1	
3KV 3PK	McGear Herbert K	3014 W. York St., Philadelphia, Pa		
3SJ	McIntosh, Howard F	4218 Thompson St., Philadelphia, Pa.,		
3EY	McIntyre, Wm	Oak Lane, Pa.	-1	
3EY 3AOD	McIver, Renwick S	2036 O St. NW, Washington, D. C	-	
3KP	McKinley, Richard S., jr	218 Lansdowne St., Wayne, Pa	-	
3ASG	McKnett, Robert R	3147 W. Gordon St., Philadelphia, Pa	-	
3ARS	McNair, William D	1933 Biltmore St. NW., Washington, D. C		
3VR 3ANT	Martin George C	112 Unester Fike, Norwood, Pa		
3RK	Mecaslin Harry R	3903 Hawthorne Ave. Baltimore Md		
3GL	Meck Michael	1550 N. Allison St., Philadelphia, Pa.,		
3MJ	McNair, William D. McVickar, W. Patton Martin, George C. Mecaslin, Harry B. Meck, Michael. Megowen, Horace L. Mehring, Charles J. Melton, J. Carroll. Mervine, Watson M. Messinger, Miles B.	125 N. Gross St., Philadelphia, Pa. 41 Carpenter Lane, Philadelphia, Pa. 3014 W. York St., Philadelphia, Pa. 4218 Thompson St., Philadelphia, Pa. 4218 Thompson St., Philadelphia, Pa. 4218 Thompson St., Philadelphia, Pa. 4218 Caston, Pa. 42147 W. Gordon St., Philadelphia, Pa. 42147 W. Gordon St., Philadelphia, Pa. 42147 W. Gordon St., Philadelphia, Pa. 4233 Biltmore St. NW., Washington, D. C. 4234 Chester Pike, Norwood, Pa. 4253 Ferry St., Easton, Pa. 43903 Hawthorne Ave., Baltimore, Md. 4351 N. 18th St., Philadelphia, Pa. 444 Reily St., Harrisburg, Pa. 442 Cambridge Crescent, Larchmont, Va. 509 Laconey Ave., Palmyra, N. J.		
3KW	Mehring, Charles J	414 Reily St., Harrisburg, Pa	-	
3KW 3NT	Melton, J. Carroll.	422 Cambridge Crescent, Larchmont, Va		
3MG	Mervine, Watson M	509 Laconey Ave., Palmyra, N. J.		
3RA	Messinger, Miles B	309 N. Linden St., Bethlehem, Pa	-	
3PD 3ATL	Meyer, Emil J	1919 Green St., Philadelphia, Pa	-	
3ATL 3AGS	Meyer, Emil J. Michael, Albert C. Michael, Albert.	422 Cambridge Crescent, Larchmont, Va. 509 Laconey Ave., Palmyra, N. J. 309 N. Linden St., Bethlehem, Pa. 1919 Green St., Philadelphia, Pa. 550 Camp St., Harrisburg, Pa. Harrisburg, Pa. Roanoke, Va.	-	

## THIRD DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
3AC	Miller, Alfred H	6358 McCallum St., Philadelphia, Pa	0.8
3TD	Millor Horry C	1526 2d Ave., York, Pa	1.0
3GQ $3ANA$	Miller, Kelly, jr. Miller, Martin V. Miller, Paul F. Milner, Robert D. Minnick, Otis.	1526 2d Ave., York, Pa. 430 College St., NW., Washington, D. C. 801 Oak Hill Ave., Hagerstown, Md.	
3ANA	Miller, Martin V	801 Oak Hill Ave., Hagerstown, Md	
3AGN 3ASA	Miller, Paul F	801 Oak Hill Ave., Hagerstown, Md 38 S. 5th St., Easton, Pa. 3335 Tennyson St., N.W., Washington, D. C. 42 Fairview Ave., Cumberland, Md 537 Chestnut St., Emaus, Pa. 5113 Viola St., Philadelphia, Pa. Philadelphia, Pa. (portable station). 2903 Girard Ave., Philadelphia, Pa. 6119 Ridge Ave., Philadelphia, Pa. 2308 N. Charles St., Baltimore, Md 546 Stanbridge St., Norristown, Pa. 123 S. Massachusetts Ave., Atlantic City, N. J. 408 Tioga St., Johnstown, Pa. 314 W. Seymour St., Germantown, Pa.	
BASA	Milner, Robert D	3335 Tennyson St., NW., Washington, D. C	
3ASN	Minnick, Otis	42 Fairview Ave., Cumberland, Md	
3AI		537 Chestnut St., Emaus, Pa	1.0
3ANI 3OE	Montrose, Jack Mooney, John, jr Mooney, John, jr Moor, Percy W	Philadelphia Pa (portable station)	
30M	Mooney John ir	2002 Girard Ava Philadalphia Pa	
3GG	Moor Percy W	6119 Ridge Ave Philadelphia Pa	
3EK	Moore, Daniel D. Moore, Earl T. Moore, James P.	2308 N. Charles St., Baltimore, Md.	1.0
3CB 3AKA	Moore, Earl T	546 Stanbridge St., Norristown, Pa.	
3AKA	Moore, James P	123 S. Massachusetts Ave., Atlantic City, N. J	1.0
3ATM	Morgan, Joseph, jr	408 Tioga St., Johnstown, Pa	1.0
310	Morgan, Joseph, jr	408 Tioga St., Johnstown, Pa. 314 W. Seymour St., Germantown, Pa. 1008 McKean St., Philadelphia, Pa. 1511 Hazzard Street, Philadelphia, Pa. 926 S. 58th St., Philadelphia, Pa. 134 Prospect St., Trenton, N. J. 561 Broad St.	.5
3NQ	Morley, Augustin H	1008 McKean St., Philadelphia, Pa	.5
3GS	Morris, George M	1511 Hazzard Street, Philadelphia, Pa	-5
3ML	Morris, Maynard C	926 S. 58th St., Philadelphia, Pa	.5
3AHM	Morris, William J., jr	134 Prospect St., Trenton, N. J	- 5
3MY	Morgan, Joseph, jr. Morgan, Joseph, jr. Morley, Augustin H. Morris, George M. Morris, Maynard C. Morris, William J., jr. Moyer, Edgar F. Moyer, Luke I. Muller, Ralph H. Murphy, Clement H. Murray, Eugene M. Musante, Augustine F. S.	163 Frosd St., Emaus, Pa. 2021 N. Lambert St., Philadelphia, Pa. 20565 Douglass St., Philadelphia, Pa. 1838 N. Hope St., Baltimore, Md.	555555555555555555555555555555555555555
3WD 3OY	Moyer, Luke 1	2021 N. Lambert St., Philadelphia, Pa	. 5
3TG	Muner, Kaiph H	2005 Douglass St., Philadelphia, Pa	.5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5 .5
3HS	Murroy Fugoro M	Crave Lane Haverford Do	1.0
3AGR	Musante, Augustine F. S	Grays Lane, Haverford, Pa.  118 S. Darlington St., West Chester, Pa.	1.0
3GE	Nadig Stanton E	118 S. Darington St., West Chester, Pa. 203 N. 4th St., Allentown, Pa. 3615 N. 19th St., Philadelphia, Pa. 1510 N. 18th St., Philadelphia, Pa. 512 Linden St., Bethlehem, Pa. 218 Crawford St., Portsmouth, Va.	5
3MI	Nadig, Stanton E Nasn, Clifford S Nassau, James A	3615 N. 19th St. Philadelphia Pa	. 5
3CT	Nassau, James A	1510 N. 18th St., Philadelphia, Pa.	. 5
3AAN	Nicholls, Verne	512 Linden St., Bethlehem, Pa.	.5
3TI	Nichols, Crawford V	218 Crawford St., Portsmouth, Va	.5
3AGK	Nichols, Jack and William F.	Ambler, Pa	.5
$3 \mathrm{HL}$	Nielsen, Harold, jr	8751 Frankford Ave., Holmesburg, Pa	.5
3EE	Nikirk, Thomas E	Washington, D. C. (portable station)	.5
3VU	Nassat, Jaimes A. Nicholls, Verne Nichols, Crawford V. Nichols, Jack and William F. Nielsen, Harold, jr. Nikirk, Thomas E. Noble, Christopher Noel, James F. Norcross, Earl L.	Ambler, Pa S751 Frankford Ave., Holmesburg, Pa Washington, D. C. (portable station) 411 12th St., SE., Washington, D. C. 303 E. Graves Lane, Philadelphia, Pa 218 2d St. NE., Washington, D. C. 216 Roberts Ave., Glenside, Pa. 2226 N. Carlisle St., Philadelphia, Pa Paulsboro, N. J	.5
3AFP	Noble, Christopher	303 E. Graves Lane, Philadelphia, Pa	.5
3KD	Noel, James F	218 2d St. NE., Washington, D. C.	.5
3GO	Norcross, Earl L. O'Brien, Francis J. Onens, Clarence E. Oppermann, Richard.	216 RODerts Ave., Glenside, Pa	.5
3AOM 3ATP	Opens Clarence F	Paulabara N. J.	1.0
3DI	Oppormenn Richard	2746 N 17th St Philadelphia Pa	.5
3RJ 3VZ	Orlando, Frank Ort, Otto V Owen, A. Thomas Page, John C. Paine, James P	1948 S. 11th St. Philadelphia Pa	. 5
3WC	Ort. Otto V	1212 Delaware Ave. Wilmington, Del	1.0
3EG	Owen, A. Thomas	562 Stanbridge St., Norristown, Pa	.5
3DM	Page, John C	Friendship Heights, Md	.5
3OK 3CX	Paine, James P	525 South St., Portsmouth, Va	.5
3CX	Parichy, Emery	2332 William St., Trenton, N. J	-5
3NS	Paire, James P. Parichy, Emery. Parker, Joseph P. Patchel, Robert E. Patterson, Edward B. Patterson, John. Pauly, Robert.	2226 N. Carlisle St., Philadelphia, Pa Paulsboro, N. J 746 N. 17th St., Philadelphia, Pa 1948 S. 11th St., Philadelphia, Pa 1912 Delaware Ave., Wilmington, Del 562 Stanbridge St., Norristown, Pa Friendship Heights, Md 525 South St., Portsmouth, Va. 2332 William St., Trenton, N. J 808 3d St., Philadelphia, Pa. 532 S. 15th St., Philadelphia, Pa.	.5
30 W	Patchel, Robert E	532 S. 15th St., Philadelphia, Pa	.5
3BY	Patterson, Edward B	618 Park Ave., Pensauken, N. J.	.5
3BY 3KG 3CG	Patterson, John	2835 N. Bailey St., Philadelphia, Pa	.5
3UG	Pauly, Robert	204 N. New St., Nazareth, Pa	.5
3IL		Front ford N I	.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5.5
$^{3\mathrm{FL}}_{3\mathrm{GI}}$	Pearson, Roland D. Pelham, Fred B. Pemberton, Henry R.	602 Howard Pl NW Washington D C	.0
3PN	Pemberton Henry R	West School Lane Philadelphia Pa	5
3TO	Pent Robert E	305 Wyncote Rd Jenkintown Pa	.5
3DB	Perry Willard P. ir	129 F. State St., Trenton, N. J.	1.0
3SF	Pent, Robert E Perry, Willard P., jr. Peter, Armistead, 3d.	Tudor Pl. and 31st St. NW., Washington, D. C	.5
3DA	Peterson, Raymond E	6047 Allman St., Philadelphia, Pa	1.0
3JB	Petit, Ernest L	2344 McClellan St., Philadelphia, Pa	.5
3UK	Peyser, Philip S	3208 West Ave., Newport News, Va	.5
звт	Philadelphia School of Wire- less Telegraphy.	2808 3d St., Philadelphia, Pa. 532 S. 15th St., Philadelphia, Pa. 618 Park Ave., Pensauken, N. J. 2835 N. Bailev St., Philadelphia, Pa. 204 N. New St., Nazareth, Pa. 336 W. Logan St., Philadelphia, Pa. Frankford, N. J. 603 Howard Pl. NW., Wasnington, D. C. West School Lane, Philadelphia, Pa. 305 Wyncote Rd., Jenkintown, Pa. 129 E. State St., Trenton, N. J. Tudor Pl. and 31st St. NW., Wasnington, D. C. 6047 Allman St., Philadelphia, Pa. 2344 McClellan St., Philadelphia, Pa. 23208 West Ave., Newport News, Va. Philadelphia, Pa. (portable station)	.5
3AT	Philadelphia School of Wire- less Telegraphy.	Philadelphia, Pa. (portable station)	.5
3PW	Philadelphia School of Wire- less Telegraphy. Philadelphia Turngemeinde	117 Broad St., Philadelphia, Pa	.5
3TX	Club.	1705 Broad St., Philadelphia, Pa.	
3AHN	Phillips, Charles E	629 Linwood Ave., Collingswood, N. J	.5
3RM	Phillips, John D	612 N. 2d St., Reading, Pa. 400 W. 24th St., Wilmigton, Del. 140 Washington Ave., Collingswood, N. J. Washington Market, Trenton, N. J.	1.0
3AKR	Phillips, Raymond B	400 W. 24th St., Wilmington, Del	.5
3AFD	D-1112 - WEILL C	140 TV - Limit on A Colling AT T	.5

## THIRD DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.	
		133 E. Antietam St., Hagerstown, Md. 226 N. Calhoun St., Baltimore, Md. 662 Stanbridge St., Norristown, Pa. 225 Summit Ave., Jenkintown, Pa. 1602 Beulah St., Philadelphia, Pa. 33 E. Walnut Ave., Merchantville, N. J. 308 Elm Ave., Swarthmore, Pa. 2804 Chestnut Ave., Newport News, Va. 1617 S. 16th St., Philadelphia, Pa. 110 N. Church St., Waynesboro, Pa. 216 Spruce Ave., Takoma Park, Md. Vineland, N. J. 407 N. Redfield St., Philadelphia, Pa. 941 Oriental Ave., Collingswood, N. J. 2814 St. Paul St., Baltimore, Md. 189 Everett Pl., Rutherford, N. J. 1273 Park Boulevard, Camden, N. J. 1807 Phelps Pl., Washington, D. C. 419 3rd St., Baltimore, Md. 5847 Ellsworth St., Philadelphia, Pa.	Kw.	
3TA 3LD	Piper, S. Webster	133 E. Antietam St., Hagerstown, Md	1	
3LD	Pisani, Sylvester Place, Samuel W Poalk, James L., jr Podenski, Paul Polk, Charles P	226 N. Calhoun St., Baltimore, Md	1	
3HH	Place, Samuel W	662 Stanbridge St., Norristown, Pa	1	
3MW 3LV	Poalk, James L., jr	325 Summit Ave., Jenkintown, Pa		
3SP	Polls Charles P	22 F Wolnut Ave Merchantville N I		
3AEL	Pollard R Spotswood	308 Elm Ave. Swarthmore, Pa		
3QI	Pollard, R. Spotswood	2804 Chestnut Ave., Newport News, Va		
3PF	Poote, George D. Postpichal, Otto I. Porrorff, Russell B. Powell, Edwin L. Presbrey, Victor E. Prescott, Henry E. Preston, James E. Primrose, Donald L. Proeschold, Harold V. Pyle W. A. Faries	1617 S. 16th St., Philadelphia, Pa		
3PF 3AEO	Porrorff, Russell B	110 N. Church St., Waynesboro, Pa	1	
3EH	Powell, Edwin L	216 Spruce Ave., Takoma Park, Md		
3JA	Presbrey, Victor E	Vineland, N. J		
3ADM	Preston James E	9th Oriental Ave. Collingswood N. J.		
3KY 3EJ	Primrose Donald L	2814 St. Paul St., Baltimore, Md		
3AHG	Proeschold, Harold V	189 Everett Pl., Rutherford, N. J		
3WR		1273 Park Boulevard, Camden, N. J		
3WR 3ADN	Quaintance, Leland C	1807 Phelps Pl., Washington, D. C		
3FE	Rabl. Samuel	419 3rd St., Baltimore, Md.		
3U0	Radio Apparatus Co. of	5847 Ellsworth St., Philadelphia, Pa		
3ARK	America. Radio Association of Mary-			
3RN	land. Ramsey, Howard N. Rancetelli, Erani. Ranft, William Q. Raser, Edward G. Rash, Franklin L.	96 W. Sharpnack St., Philadelphia, Pa. 1435 S. Broad St., Philadelphia, Pa. 4107 Belle Ave., Baltimore, Md. 931 Edgewood Ave., Trenton, N. J. 504 Claymont St., Wilmington, Del 352 Brunswick Ave., Trenton, N. J. 2085 E. Kingston St., Philadelphia, Pa. Island Heights, N. J. 1505 Bolton St., Baltimore, Md. Sea Isle City, N. J. 716 Main St., Riverton, N. J. 706 Edgwood Ave., Richmond, Va. 916 Favette St., Conshohocken, Pa. 1623 W. Pratt St., Baltimore, Md. Bethesda, Md.		
3VC 3NU 3NG	Rancetelli, Erani	1435 S. Broad St., Philadelphia, Pa		
3NU	Ranft, William Q	4107 Belle Ave., Baltimore, Md		
3NG	Raser, Edward G	931 Edgewood Ave., Trenton, N. J		
3TM	Rash, Franklin L	504 Claymont St., Wilmington, Del		
3AOT 3AEP	Ratcliffe, William E	2085 F. Kingston St. Philadelphia Pa		
3ARO	Rau James F	Island Heights, N. J.		
3RW	Ratcliffe, William E. Rau, James F. Rau, James F. Redgrave, DeWitt C. Reed, Charles J., jr. Reed, Richard M. Reid J. Garnett	1505 Bolton St., Baltimore, Md		
3ADH	Reed, Charles J., ir	Sea Isle City, N. J		
3ADP	Reed, Richard M	716 Main St., Riverton, N. J		
3AKW	Reid, J. Garnett. Reiff, W. Norman. Requa, Fred A. Reynolds, Edwin L. Bishordson, Thomas I.	706 Edgwood Ave., Richmond, Va		
3EF	Reiff, W. Norman	916 Fayette St., Conshohocken, Pa	1	
3SA 3KU	Requa, Fred A	Retherde Md		
3DK		Quarantine Curtis Bay, Md		
3BF	Richter, Harry A.	2733 N. Fairhill St., Philadelphia, Pa		
3MQ	Ridgway, A. King	5 E. Melrose St., Chevy Chase, Md		
3AFS	Richter, Harry A	Penllyn, Pa		
3AFG	Rieger, George, jr. Rile, Joseph C. Rivers, William L. Roberts, Harold A. Robey, V. C. K. Robinson, George C. Roberts, Harold A.	Broad Axe, Pa		
3UH	Rivers, William L	1439 17th St., Philadelphia, Pa		
3KZ	Roberts, Harold A	Berwyn, Pa		
3NV	Robey, V. C. K	607 N 10th St Pichmond Va		
3GX 3AAP	Poehm John A	666 Union St., Lancaster, Pa	1	
3ADG	Roehm, John A.  Roehm, Sewall.	501 Upland Ave., Noble, Pa	1	
3RR		66 Chestnut St., Pottstown, Pa		
3AOW		431 W. Susquehanna Ave., Philadelphia, Pa		
3CV	Rohrer, Harry B Rohrich, George J Roland, Penn R Rollins, Thomas E	916 Fayette St., Conshohocken, Pa 1623 W. Pratt St., Baltimore, Md Bethesda, Md Quarantine, Curtis Bay, Md 2733 N. Fairhill St., Philadelphia, Pa 5 E. Melrose St., Chevy Chase, Md Penllyn, Pa Broad Axe, Pa 1439 17th St., Philadelphia, Pa Berwyn, Pa 117 Commerce St., Rockville, Md 607 N. 10th St., Richmond, Va 666 Union St., Lancaster, Pa 501 Upland Ave., Noble, Pa 66 Chestnut St., Pottstown, Pa 431 W. Susquehanna Ave., Philadelphia, Pa 73 Decatur St., Cumberland, Md Hyattsville, Md 683 Haws Ave., Norristown, Pa 1732 S. 21st St., Philadelphia, Pa 854 Albans School, Washington, D. C 321 Church St., Norfolk, Va 214 14th St., Norfolk, Va		
3GB	Rohrich, George J	Hyausville, Md Pa	1	
SAIT	Rolling Thomas E	1732 S. 21st St. Philadelphia. Pa.		
3MN 3VV		St. Albans School, Washington, D. C.		
3VL	Rosenfeld, S. Ross, John W.	321 Church St., Norfolk, Va		
3UV	Ross, John W	214 14th St., Norfolk, Va	-	
3VP 3AID	Rothman, Charles	1837 Wilhelm St., Baltimore, Md		
3AID	Rothman, Charles Rovins, Theodore Rowe, Charles R	2021 N. 32d St., Philadelphia, Pa.		
3JP	Rowe, Charles R	6211 Dieles Ave Philadelphia Pa		
3AAS 3LE	Rudrow, Robert G	2 Oriental Pl., Atlantic City, N. J.		
3AMH	Sanders, Cecil W	150 McCormick St., Clifton Forge, Va	-	
3TK	Savage, Thomas A	54 W. Willow Grove Ave., Philadelphia, Pa		
3LL	Schaff, Merle S	Riverton, N. J	-	
3GW 3VO	Savage, Thomas A Schaff, Merle S Schaffer, Raymond C Schall, John R.	St. Albans School, Washington, D. C. 321 Church St., Norfolk, Va 214 14th St., Norfolk, Va 1837 Wilhelm St., Baltimore, Md. 2021 N. 32d St., Philadelphia, Pa. 1308 Massachusetts Ave. SE., Washington, D. C. 6311 Dicks Ave., Philadelphia, Pa. 2 Oriental Pl., Atlantic City, N. J. 150 McCormick St., Clifton Forge, Va. 54 W. Willow Grove Ave., Philadelphia, Pa. Riverton, N. J. Limeport, Pa. 1318 Turner St., Allentown, Pa. Wyncote, Pa.	-	
3V0	Schaffer, Raymond C. Schall, John R. Scheetz, Edwin F. Scheffey, Ralph B. Schimpf, Henry L. Schimpf, Henry L. Schimpf, Henry L.	1318 Turner St., Allentown, Pa	-	
3AP	Scheetz, Edwin F	Wyncote, Pa	1	
3EW	Schelley, Raiph B	346 Lafayette St., Bristol, Pa		
3AFW	Schimpf Henry L.	Philadelphia, Pa		
3AIU 3PA	Schlichting, Edward N. E.	bolo New Hallst, I Maderphia, Pa. Philadelphia, Pa. 223 Andrew Ave., Wildwood, N. J. 1936 Ist St. NW., Washington, D. C. 346 Goepp St., Bethlehem, Pa.		
SAEG	Schmidt, G. Ambrose	1936 1st St. NW., Washington, D. C		

54257°--16----8

# AMATEUR RADIO STATIONS—Continued. THIRD DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
BANC	Schoble, Ralph T	Wyncote, Pa	0.
BHN	Schuck, Leon H	2441 N. 8th St., Philadelphia, Pa	1.
BUU	Schuck, Leon H. Schuck, Leon H. Schuller, Byron S. Schuller, Joseph T.	Wyncote, Pa  2441 N. 8th St., Philadelphia, Pa.  Cape May, N. J.  28 S. Grant St., Waynesboro, Pa  1329 Brown St., Philadelphia, Pa  1533 S. 16th St., Philadelphia, Pa  241 N. Wilton St., Philadelphia, Pa  4219 Parrish St., Philadelphia, Pa  2706 24th St. NE., Washington, D. C.  Bala, Pa	1.
AIK	Schuller, Byron S	28 S. Grant St., Waynesboro, Pa	
HQ	Schuller, Joseph T. Schwering, Harry C., jr. Seeley, Alfred J. Seidenberg, Frank Sener, C. Edward, jr. Service, Charles A., jr. Shannon, Frank	1329 Brown St., Philadelphia, Pa	100
OU	Scalay Alfred I	241 N. Wilton St., Philadelphia, Pa	1
SU VT GD	Saidenberg Frank	4910 Parrich St. Philadelphia Pa	3.5
GD -	Sener, C. Edward, ir	2706 24th St. NE., Washington, D. C.	100
3QZ	Service, Charles A., ir	Bala, Pa	1
BAOH	Shaffer, Sylvester	1017 Warden St., Baltimore, Md	
WK		327 N. Wilton St., Philadelphia, Pa	- 76
AIM	Sharp, Lewis W	322 Morgan Ave., Palmyra, N. J	
ARA HP	Shaw, R. Russell	207 High St., Burnington, N. J	
RT	Sheiry Edward S	Friendshin Heights Md	1439
EU	Shelley, F. Cheston	116 W 22d St. Baltimore, Md.	470
BJ	Sheriff, Leslie M	925 Westminster St. NW., Washington, D. C	
BJ ANG	Schermer, Frank C	4963 Wakefield St., Philadelphia, Pa	22.0
IB	Sherrill, Arthur M	329 W. School Lane, Philadelphia, Pa	
AES	Sherwood, John R., jr	Park Heights Ave., Baltimore, Md	
AOG	Shaw, R. Russell Sheetz, George F Sheiry, Edward S Shelley, F. Cheston Sheriff, Leslie M Schermer, Frank C Sherrill, Arthur M Sherwood, John R., jr Shoemaker, Joseph L Shreiner, Carl H	Bala, Pa  1017 Warden St., Baltimore, Md  327 N. Wilton St., Philadelphia, Pa  322 Morgan Ave., Palmyra, N. J  207 High St., Burlington, N. J  121 Oak St., Cumberland, Md  Friendship Heights, Md  116 W. 22d St., Baltimore, Md  925 Westminster St. NW., Washington, D. C  4963 Wakefield St., Philadelphia, Pa  329 W. School Lane, Philadelphia, Pa  Park Heights Ave., Baltimore, Md  718 Edgewood Ave., Richmond, Va  37 E. James St., Lancaster, Pa	1.13
IU	Silver Poul B	210 Langdowna Ava Philadelphia Pa	
ANE	Silberberger Fred E	3406 N 11th St. Philadelphia, Pa.	
SUD	Silvers, Frank H., ir	430 Princeton Ave., Trenton, N. J	1.3
FD	Simon, Walter	1234 Carroll St., Baltimore, Md	
AGW	Silver, Paul B. Silver, Paul B. Silvers, Frank H., jr. Simon, Walter. Simons, Joseph M.	Park Heights Ave., Baltimore, Md 718 Edgewood Ave., Richmond, Va 37 E. James St., Lancaster, Pa 210 Lansdowne Ave., Philadelphia, Pa 3406 N. 11th St., Philadelphia, Pa 430 Princeton Ave., Trenton, N. J. 1234 Carroll St., Baltimore, Md. 4553 Pulaski Ave., Philadelphia, Pa 2 11th St., Ocean City, N. J. 438 N. Duke St., Lancaster, Pa 117 Glenn Road, Ardmore, Pa 305 Schuylkill Ave., Reading, Pa 18 E. Madison St., Baltimore, Md 28 Escher St., Trenton, N. J. 429 W. Hanover St., Trenton, N. J. 427 E. Ross St., Lancaster, Pa 518 N. 5th St., Philadelphia, Pa South Hill, Va Catonsville, Md 5046 Haverford Ave., Philadelphia, Pa 18 W. Logan St., Philadelphia, Pa 1656 Newton St. NW., Washington, D. C. Cold Spring, N. J.	
ANR	omkinson, wimam it	2 11th St., Ocean City, N. J.	
ADK PP	Skiles, John D., Jr	438 N. Duke St., Lancaster, Pa	
NO	Slooth Pohert W	205 Sebuylkill Ave. Reading Pa	O ALL
BD	Smith Alan P 3d	18 F. Madison St. Baltimore, Md.	
BAIH	Smith, Alfred L	28 Escher St., Trenton, N. J	
$_{ m AKS}^{ m DQ}$	Smith, G. Victor	429 W. Hanover St., Trenton, N. J	
BAKS	Skiles, John D., jr. Skinner, William H. Sleath, Robert W. Smith, Alan P., 3d Smith, Alfred L. Smith, G. Victor Smith, Harry F. Smith, Hubert H. Smith, Horborne G. Smith, Sewall P. Smith, W. P. Smith, W. P. Snape, Edwin A., jr. Snow, Harold A. Snyder, Edwin H., jr. Snyder, Harry H.	247 E. Ross St., Lancaster, Pa	1.
BPU BKA	Smith, Hubert H	518 N. 5th St., Philadelphia, Pa	1.
FH	Smith, Norborne G	South Hill, Va	1.
HG	Smith W P	5046 Hoverford Ave Philadelphia Pa	
ASH	Snape Edwin A. ir	318 W. Logan St., Philadelphia, Pa	
JR	Snow, Harold A	1656 Newton St. NW., Washington, D. C	1.
AE	Snyder, Edwin H., jr	1767 Columbia Rd., Washington, D.C. Cold Spring, N. J. 3554 N. Broad St., Philadelphia, Pa. 3014 Cambridge St. NW., Washington, D.C. 607 Reily St., Harrisburg, Pa. 275 Bellevue Ave., Trenton, N. J. Laurel, Md. Laurel Springs, N. J.	
IK	Snyder, Harry H Somers, Lewis S., jr	Cold Spring, N. J.	
AFE		post C - 1 - 1 - Ct NW Weshington D C	
SG	Speakman, Edwin G., jr	607 Paily St Harrishurg Pa	
DH	Stahl Harry E. ir	275 Bellevue Ave., Trenton, N. J.	
KI	Stanley, John S	Laurel, Md.	
BC	Stephen, C. Chester	Laurel Springs, N. J	
BHI	Speakman, Edwin (.,)r Stacks, Thomas de A Stahl, Harry E., jr Stanley, John S Stephen, C. Chester Stepp, John W	Laurel, Md Laurel Springs, N. J 1122 Kenyon St. NW., Washington, D. C 5224 Delancey St., Philadelphia, Pa	
QA	Stevens, Lewis D		
HOE	Stewart Electric Co.	rio Dreed St. Cone May M. T.	
AOF	Stiles, Ralph J	510 Broad St., Cape May, N. J. 26 Main St., Flemington, N. J. 15 W. Stiles Ave., Collingswood, N. J. 649 29th St., Newport News, Va. 2020 1st St. NW., Washington, D. C. 112 Rutgers Ave., Swarthmore, Pa. Champion Apts., Atlantic City, N. J. 427 W. Union St., West Chester, Pa. Old Harford R., Hamilton, Md. 26 S. New Jersey Ave., Atlantic City, N. J.	:
HK	Stockton, William Stokes, Josiah T Strailman, Gilbert T Strang, Harry L Strieby, Malcolm Stritzel Alfred H	15 W. Stiles Ave., Collingswood, N. J.	-
FW	Strailman, Gilbert T	649 29th St., Newport News, Va	
FW AON	Strang, Harry L	2020 1st St. NW., Washington, D. C	
PQ IT	Strieby, Malcolm	112 Rutgers Ave., Swarthmore, Pa	
IT	Stritzel, Alfred H	Champion Apts., Atlantic City, N.J	
QS AS	Stubbs, Thomas H	427 W. Union St., West Chester, Pa	
AAC	1 Stumpter, Albert G	26 S Now Jersey Ave Atlantic City, N. I	
AAC	Swartz, French V Swartzkopf, Walter K	1551 S. 58th St., Philadelphia, Pa	
AGL	Sweger, Monroe J	6033 Reinhart St., Philadelphia, Pa	
AGL	Swinnery, Walter, jr	815 N. Mount St., Baltimore, Md	
TH	Sweger, Monroe J Swinnery, Walter, ir Tabb, Vincent W. Talbot, George L	427 W. Union St., West Chester, Pa Old Harford R., Hamilton, Md 26 S. New Jersey Ave., Atlantic City, N. J. 1551 S. 58th St., Philadelphia, Pa 6033 Reinhart St., Philadelphia, Pa 815 N. Mount St., Baltimore, Md 26 Court St., Portsmouth, Va 506 14th St., Highlandtown, Md Chatham, N. J. Hampton Court, Norfolk, Va. 17 Winona Ave., Norwood, Pa. 200 Bethlehem Pike, Ambler, Pa. 1715 Christian St., Philadelphia, Pa Primos, Pa.	1 0
OF	Talbot, George L	506 14th St., Highlandtown, Md	
ASL	Tallmadge, Richard H	Unatham, N. J.	2 2 1
RQL	Tapley, Robert E	17 Winong Ave. Norwood Po	
BAEI	Thomas David	200 Bethlehem Pike, Ambler, Pa	
AFR	Thomas, David	1715 Christian St., Philadelphia, Pa	10-1
BEC	I III	Primos, Pa	17/1-07

## THIRD DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power.	
530				
3TF	Thorborg, Martin E	230 Seymour St., Philadelphia, Pa	0.	
3OE	Titus, George E	249 Mt. Hope Ave., Dover, N. J		
3AHR 3IY	Titus, George E. Tolbert, Warren B Tolbert, Warren B Tolbert, Warren B Tompkins, E. Randolph Townsend, Lloyd Tranor, Harry W Treide, Carl L Troth, Raymond H Tuck, Wilbur A Tuttle, Norris Turner, Morris C., jr Twine, Roy W Underhill, Chester R University of Pennsylvania. Uphoff, Frank B Uphoff, Frank B Uphoff, Frank B	249 Mt. Hope Ave., Dover, N. J. Philadelphia, Pa. (portable station). 7037 Hegerman St., Philadelphia, Pa.		
3VF 3AMW	Tompkins, E. Randolph	7037 Hegerman St., Filinadelpina, Fa. 7526 9th Ave., Roanoke, Va. 26 N. Massachusetts Ave., Atlantic City, N. J. 906 W. Park Sq., Moore, Pa. 2402 E. Baltimore St., Baltimore, Md. 3350 N. 18th St., Philadelphia, Pa. Point of Rocks, Md.		
3AMW	Townsend, Lloyd	26 N. Massachusetts Ave., Atlantic City, N. J	1	
3AIP	Tranor, Harry W	906 W. Park Sq., Moore, Pa.		
3AH 3GK	Treide, Carl L	2402 E. Baltimore St., Baltimore, Md	1	
3AIY	Tuck, Wilbur A	Point of Rocks, Md	1	
3ATE	Tuttle, Norris	Bryn Mawr, Pa		
3RY	Turner, Morris C., jr	Bryn Mawr, Pa 2613 Maryland Ave., Baltimore, Md.		
3OZ	Twine, Roy W	319 W. 28th St., Norfolk, Va. Brightside Farm, Guilford, Md.		
3QR 3ASO	Undernill, Chester R	Philadelphia, Pa.		
3DV	Uphoff, Frank B	Philadelphia, Pa. 3649 York Rd., Philadelphia, Pa. 9318 Thorofare Ave., Margate City, N. J		
3V0	Uphoff, Frank B	9318 Thorofare Ave., Margate City, N.J.		
3VW 3CE 3CM	Uphoff, Frank B. Uphoff, Frank B. Upman, Edgar A. Van Horn, J. Clunn Van Hulsteyn, J. M. C. Varnes, Earl W. Venn, Silas N. Viessman, Warren	9318 Thorofare Ave., Margate City, N. J. Philadelphia, Pa. (portable station) 1823 W. Fayette St., Baltimore, Md. 5127 Arch St., Philadelphia, Pa. Cockeysville, Md 8 Race St., Cambridge, Md. 900 Vandever Ave., Wilmington, Del. 2711 Twoly Ave., Baltimore, Md. 6077 Allman St., Philadelphia, Pa. 121 Obold St., West Reading, Pa. 2938 N. 3d St., Philadelphia, Pa. 134 S. 17th St., Allentown, Pa. 2728 Poplar St., Philadelphia, Pa. 38 Prospect St., Trenton, N. J. 2629 Edmondson Ave., Baltimore, Md. 405 Broadway, Camden, N. J.		
3CE	Upman, Edgar A	1823 W. Fayette St., Baltimore, Md		
3SB	Van Horn, J. Clunn	Cookeyeville, Md		
3QM	Varnes Earl W	8 Race St. Cambridge Md		
3TN	Venn, Silas N	900 Vandever Ave., Wilmington, Del		
3ATK 3AAY	Viessman, Warren	2711 Twoly Ave., Baltimore, Md		
3AAY	Viessman, Warren. Wagner, Laurence E. Wagner, William H.	6077 Allman St., Philadelphia, Pa		
3KL	Wagner, William H	121 Obold St., West Reading, Pa		
3LW 3ADW	Walte, John W. Walker, Orville R. Wallace, Lewis J. Wallace, M. Edgar Wallace, William D. Wallen, Francis B. Walsh, Maurice L.	134 S 17th St Allentown Pa		
3TR	Wallace Lewis I	2728 Poplar St., Philadelphia, Pa		
3IR 3AIL	Wallace, M. Edgar	38 Prospect St., Trenton, N. J		
3RF	Wallace, William D	2629 Edmondson Ave., Baltimore, Md		
3NN	Wallen, Francis B	405 Broadway, Camden, N. J. 819 W. Lexington St., Baltimore, Md. 552 Kohn St., Norristown, Pa. 267 W. York St., Norfolk, Va.		
3AN	Walsh, Maurice L	819 W. Lexington St., Baltimore, Md		
3OR 3AAW	Walker, Donald R Walthall, John H	267 W York St. Norfolk, Va.		
3NE	Walton Brewer G	New Garden, Pa		
3HU	Walton Brower G	1420 N. Bouvier St., Philadelphia, Pa		
3PO	Watson, James B	2412 S. Rosewood St., Philadelphia, Pa		
3BV	Watson, James B. Watson, Paul G. Ways, Clarence I.	10 Hanover St. Cumberland Md		
3BV 3VN 3AG	Weant, Clarence H	1546 Aisquith St. Baltimore, Md	1	
3AFA	Weber, Charles W	Abington, Pa		
SAER	Weber, Charles W	111 3ď St., Millville, N. J.		
3AFT 3AEH	Webster, Harold S. Wedge, Franklin W. Wegner, Arthur H. Wegner, Edwin. Weidman, Marshall D. Wischer, Costal	3623 N. 16th St., Philadelphia, Pa		
30C	Wedge, Franklin W	Livingston Heights Va		
3AAT	Wegner Edwin	117 Northampton St., South Bethlehem, Pa		
3AFM	Weidman, Marshall D	Columbia, N. J.		
3ADP	Weigel, George H	716 Main St., Riverton, N. J		
3FC	Weik, Charles F	7148 Vandyke St., Philadelphia, Pa		
SAHK	Weidman, Marshall D. Weigel, George H. Weik, Charles F. Weik, Charles F. Weikel, John H. Weiss, Leonard. Weiss, Simon.	New Garden, Pa.  1420 N. Bouvier St., Philadelphia, Pa.  2412 S. Rosewood St., Philadelphia, Pa.  214 W. Barnard St., West Chester, Pa.  10 Hanover St., Cumberland, Md.  1546 Aisquith St., Baltimore, Md.  Abington, Pa.  111 3d St., Millville, N. J.  3623 N. 16th St., Philadelphia, Pa.  126 Athens Ave., Ardmore, Pa.  Livingston Heights, Va.  117 Northampton St., South Bethlehem, Pa.  Columbia, N. J.  716 Main St., Riverton, N. J.  7148 Vandyke St., Philadelphia, Pa.  Philadelphia, Pa. (portable station).  900 Church St., North Wales, Pa.		
3AGA 3LH	Weiss Leonard	900 Church St., North Wales, Pa. 4825 Woodland Ave., Philadelphia, Pa. 815 S. 5th St., Camden, N. J. 39 S. Stricker St., Baltimore, Md.		
3HF	Weiss, Simon	815 S. 5th St., Camden, N. J		
30Q 3AML	Welke, Paul L. Wessells, Wilbert T. West, William M.	39 S. Stricker St., Baltimore, Md		
3AML	Wessells, Wilbert T	Newark, Del		
3AF	West, William M	1999 N. Prood St. Philadelphia Pa		
3AGD 3FI	West, William M. Westlake, Harry T. Wever, John A. Wexler, Bernard. Wheatley, Douglas N. Whitaker, Lorenzo D. Whitaker, D.	238 S. Patterson Park Ave., Baltimore, Md.		
3KO	Wexler, Bernard	431 Dickinson St., Philadelphia, Pa		
$^{3\mathrm{KQ}}_{3\mathrm{CZ}}$	Wheatley, Douglas N	405 N. 32d St., Philadelphia, Pa		
3MV	Whitaker, Lorenzo D	937 14th St. SE., Washington, D. C		
3DG	Willie, Norman I	19 General Greene Ave., Trenton, N. J.		
3EN 3OX	Whitney, Lucien S	2406 S. Percy St., Philadelphia, Pa.		
3NJ	Wick, Arthur Wicks, Preston S.	431 Dickinson St., Philadelphia, Pa. 405 N, 32d St., Philadelphia, Pa. 937 14th St. SE., Washington, D. C. 19 General Greene Ave., Trenton, N. J. 624 Quincy St. NW., Washington, D. C. 2406 S. Percy St., Philadelphia, Pa. 2206 Ruskin Ave., Baltimore, Md. 1620 29th St., Washington, D. C. 3523 N, 18th St., Philadelphia, Pa. Hampton, Va.		
3ARO		1620 29th St., Washington, D. C.		
3SI	Williams, Harvey Williamson, Charles M., jr Williamson, Robert M. Wilson, Arthur J.	3523 N. 18th St., Philadelphia, Pa		
3IP	Williamson, Charles M., jr	Hampton, Va	-	
3AKD	Williamson, Robert M	25 S. 45th St. Philadelphia Pa.	-	
3BU 3AKO	Wilson Roy	30th and Locust Sts., Wilmington, Del		
3IV	Wilson, Roy Wilson, Willard S Winters, Ralph N Wiseman, Luther B	Hampton, Va 4701 Pulaski Ave., Philadelphia, Pa 35 S. 45th St., Philadelphia, Pa 35 S. 45th St., Philadelphia, Pa 30th and Locust Sts., Wilmington, Del 705 Adams St., Wilmington, Del 404 Pearl St., Camden, N. J. 330 W St. NW., Washington, D. C. 1608 W. Allegheny St., Philadelphia, Pa		
		the state of the s		
3BZ 3HA	Winters, Ralph N	404 Pearl St., Camden, N. J.	-	

## THIRD DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
3WE 3AAH 3JD 3BS 3GR 3WG 3AGH	Wohlford, John F. Wohlsen, Richard Wolcott, Roger G Wolff, William J. Wood, Richard M Worley, Robert A Wright, Ervin T.	430 W. Orange St., Lancaster, Pa. 224 41st St., Norfolk, Va. 2422 S. Iseminger St., Philadelphia, Pa. Keyworth Ave. and Park Heights, Baltimore, Md. 940 Carteret Ave., Trenton, N. J. 58 Broad St. Salem, N. J.	1.0
3AAZ 3AFL 3AIO 3RS	Wright, S. Joseph. Wynkoop, John E. Wynkoop, John E. Yearley, Clifton K.	4316 Chestnut St., Philadelphia, Pa. Philadelphia, Pa. (portable station).	
3WT 3AKF	Young, Walter T Young Men's Christian Association (Central Branch).	521 Leibert St., Bethlehem, Pa. 1421 Arch St., Philadelphia, Pa.	
3HZ 3IG 3NA	Zabel, Leroy E	156 Lismore Ave., Glenside, Pa	1.0
3ATO 3AMR 3ANP	Zapp, Frederick A	5101 Pulaski Ave., Philadelphia, Pa	.5
$^{3LS}_{3PB}$	Zito, Vincent	213 N. Gay St., Baltimore, Md. 409 Helker St., Harrisburg, Pa.	1.0

#### ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
3AA	Ashmore, John W.	3ADT	Hastings, Harris.	3AGF	Barkley, J. A.
3AAB	Lansford, W. R.	3ADW	Walker, Orville R.	3AGH	Wright, Ervin T.
3AAC	Swartz, French V.	3AE	Snyder, Edwin H., jr.	3AGI	Beck, Rodney M.
3AAD	Longfellow, Charles	3AEA	Craigie, Stuart M.	3AGK	Nichols, Jack and Wil-
	F. ir.	3AED	Haslett, Harold D.	1	liam F.
3AAE	Lesky, William.	3AEF	Beidelman, Harry A.	3AGL	Sweger, Monroe J.
3AAF	Brudenell, Norman.	3AEG	Schmidt, G. Ambrose.	3AGN	Miller, Paul F.
3AAG	Carroll, Louis, ir.	3AEH	Knoll, Lloyd M.	3AGP	Blanford, Irving I.
3AAH	Wohlsen, Richard.	3AEI	Thomas, David.	3AGR	Musante, Augustine
3AAI	Blake, John M.	3AEK	Lewis, J. A.		F.
3AAJ	Blair, Drewry.	3AEL	Pollard, R. Spotts-	3AGS	Michaels, A. G.
3AAK	Hopkins, James R.		_wood	3AGT	Gresh, Harold.
	Lewis, John B.	3AEM	Booz, W. N.	3AH	Treide, Carl L.
3AAM	Russo, Ernest.	3AEN	Holstein, Hubert.	3AHA	Carlisle, John F.
3AAN	Nicholls, Verne.	3AEO	Pottorff, Russell.	3AHE	Lazarus, Sanford S.
3AAQ	Klock, Victor J.	3AEP	Rau, James F.	3AHF	Martin, Justus L.
3AAP	Roehm, John.	3AER 3AES	Weber, James N.	3AHI	Giles, Larkin.
SAAR	Lum, Robert B.	3AET	Sherwood, John R., jr.	3AHK 3AHM	Houck, Harry W.
3AAS 3AAT	Rudrow, Robert. Wegner, Edwin.	3AEW	Horner, George E.	3AHM 3AHN	Morris, W. J., jr.
3AAU	Faulstich, Chester W.	3AF	Dicks, G. C. West, William M.	3AHO	Phillips, Charles E.
3AAV	Bechler, Wm. C., jr.	3AFA	Weber, Charles W.	3AHP	Dunn, John M.
3AAW	Walthall, John H.	3AFD	Phillips, William G.	3AHR	Chesser, Page P. A. Tolbert, Warren B.
3AAX	Hicks, Thomas R.	3AFE	Somers, Lewis S., jr.	JAHR	and Weik, Chas. F
3AAY	Wagner, Laurence E.	3AFG	Rile, Joseph C.	3AHS	Brown, Edwn H.
3AAZ	Wright 8 Joseph	3AFH	Fliegel William M	3AHT	Desvers W R
3AB	Wright, S. Joseph. Carroll, Roy C.	3AFI	Fliegel, William M. Backe, Louis M., jr.	3AHW	Deavers, W. R. Leigh, Walter S.
3AC	Miller, Alfred H.	3AFK	Lohr, Allen W.	3AI	Mohr, Paul D.
3ADA	Bott, James M.	3AFL	Wynkoop, John E.	3AIA	Cocklin, Foster W.
3ADE	Layton, Howard H.	3AFM	Weidman, Marshall	3AIB	Atkinson, T. Howard
3ADF	Harrell, Leonard B.	1	D.	3AID	Rovins, Theodore.
3ADG	Roehm, Sewall.	3AFN	Lippincott, Bertram.	3AIE	Keim, Jonathan D.
3ADH	Reed, Charles J., jr.	3AFO	Huddy, James J., jr.	3AIF	Gluck, Earle.
3ADI	Imfeld, Fred H.	3AFP	Noble, Christopher.	3AIG	Hale, Charles W.
3ADK	Skiles, John D., jr.	3AFR	Thomas, Fred S., jr.	3AIH	Smith, Alfred L.
3ADL	Ellis, Edmund K.	3AFS	Rieger, George, jr.	3AIL	Wallace, M. Edgar.
3ADM	Prescott, Henry E.	3AFT	Webster, Harold S.	3AIM	Sharp, Lewis W.
3ADN	Quaintance, Leland	3AFW	Schimpf, Henry L.	3AIN	Liddell, Harry M.
0.1.00	C.	3AG	Weant, Clarence H.	3AIO	Wynkoop, John E.
3ADO	Coombs, John S.	3AGA	Weikel, J. H.	3AIP	Tranor, Harry W.
3ADP	Reed & Weigel.	3AGD	Westlake, Harry T.	3AIR	Beaumont, Robert H
3ADR	Endress, John.	3AGE	Hemphill, William J.,	3AIS	McClanen, Wilson T
3ADS	McAllister, Louis E.	11	l jr.	3AIT	Roland, Penn R.

## THIRD DISTRICT—Continued.

## ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
3AIU	Schimpf, Henry L.	3ARA	Shaw, F. Russell.	3BQ 3BR 3B8	Eller, George O.
3AIV	Schimpf, Henry L. Mastin, Marion G.	3ARD	Brautigam, H. G.	3BR	Witty, Gustav.
3AIW	Chadwick, Eric.	3ARE	Cullin, Ernest N.	3B8	Witty, Gustav. Wolff, William J.
3AIY 3AJ	Tuck, Wilbur A.	3ARF 3ARG	Kelley Pay F	3BT	Philadelphia School of Wireless Teleg-
3AK	Duvall, Edward B.	3ARH	Brautigam, H. G. Cullin, Ernest N. Beck, Page M. Kelley, Ray F. Drexel Radio Club. Gillen, John J.		ranhy
3AK 3AKA 3AKD	Moore, James P.	3ARI	Gillen, John J.	3BU	Wilson, Arthur J.
3AKD	Bausman, George H. Duvall, Edward B. Moore, James P. Williamson, Robt. M.	3ARK	Gillen, John J. Radio Association of	3BV 3BW 3BY 3BZ	raphy. Wilson, Arthur J. Watson, Paul G. Campbell John W
3AKE	Enslin, L. R. Central Y. M. C. A. Basford, R. F. Greenfield, R. H.	3ARL	Maryland. Belt, William B.	3BA	Campbell, John W. Patterson, Edward B. Winters, Ralph N.
3AKF 3AKG	Basford, R. F.	3ARM	Flumerfelt, E. C.	3BZ	Winters, Ralph N.
3AKH	Greenfield, R. H.	3ARN	Flumerfelt, E. C. Hunt, H. Lester.	ľ	1
3AKI	Eisenhard, Stanley E. Dolbow, George W.	3ARO	Wight, Donald M.	3CA	Adelberger, Adrian J. Moore, Earl T.
3 A K K 3 A K M	Goldstein, William.	3ARP 3ARS	Hunter, H. Clifford.	3CB 3CC	Biddle, Howard L.,
3AKN	Lewis, Max J.	3ART	Harvey, Walter E.		
3AKO	Lewis, Max J. Wilson, Roy.	3ARW	McNair, William D. Harvey, Walter E. Beaston, Frank W.,	3CE	Jr. Upman, Edgar A. Laager, Creston F. Pauly, Robert. Ferris, Malcolm. Cook, Howell E. Imfeld, Fred H. Baer, Francis M
3AKP	Bargelt, R. L.	240	]r.	3CF	Laager, Creston F.
3AKR 3AKS	Bargelt, R. L. Phillips, Raymond B. Smith, Harry F. Eisenhauer, Harry D.	3A8 3A8A	Stumptner, Albert G. Milner, Robert D.	3CG 3CH 3CI	Ferris Malcolm
3A KT	Eisenhauer, Harry D.	3A8A 3A8D	Milner, Robert D. Damon, L. R. Channell, John W.	3CI	Cook, Howell E.
3AKW	Keid, James G.	3ASE	Channell, John W.	3CJ	Imfeld, Fred H.
3 A L 3 A M	Guenzel, Herman A.	3ASF	Blaess, George.	3CK	
3AMA	Majer, Carl T. Fow, Oscar A. Hart, Robert M.	3ASG 3ASH	McKnett, Robert R. Snape, Edwin A. Marts, Harvey.	3CL 3C <b>M</b>	Coleman, Walter V. Van Horn, J. Clunn.
3AMD	Hart, Robert M.	3ASI	Marts, Harvey.	3CN	Ashton, Leon W.
3AME	i Ensor, Joun 6.	3ASK	LIOPOIND P. A. IP.	3CO	Ashton, Leon W. Campbell, James S.
3AMF	Gaine G A	3ASL 3ASM	Rritt C. I.	3CP	Bunting, George M.,
3AMG 3AMH	Beekman, Robert L. Gains, G. A. Sanders, Cecil W.	3ASN	Tallmadge, R. H. Britt, C. J. Minnick, Otis.	3CQ 3CR	Finger, Russell W.
3AMI 3AMK		3ASO	University of Penn-	3CR	Finger, Russell W. Ellis, William G.
3AMK	Abdell, George S.	2480	sylvania.	3CS	Baker, Harold Z.
3AML 3AMN	Baklay, F. W.	3ASP 3ASR	Hauf, Joseph C., ir.	3CT 3CU	Gauss. Harry W.
3AMO	Linthicum, Robt. E.	3AST	Brown, William.	3CW	Nassau, James A. Gauss, Harry W. Lange, J. Robert.
3AMP	Holloway, Jack.	3ASU	Blum, William.	3CX	Parichy, Emery. Biser, Mark.
3AMR	Brinesmus, Karjn. Abdell, George S. Wessells, W. Thomas. Bakley, F. W. Linthicum, Robt. E. Holloway, Jack. Ziegler, Lewis D. Brandt, Bruce C. Brown, Raymond H. Townsend, Layd.	3ASV	Lewis, John C., jr. Hauf, Joseph C., jr. Brown, William. Blum, William. Lewis, J. Arthur. Hammel, W. C. Philadelphia School of Wirelass Telegra.	3CW 3CX 3CY 3CZ	Wheatley, Douglas N.
3AMS 3AMT	Brown, Raymond H.	3ASW 3AT	Philadelphia School		Whousey, Douglas IV.
3AM/W		1	Of Whiches Tologia-	3DA	Peterson, Raymond
3AN 3ANA	Walsh, Maurice L. Miller, Marvin V.	34774	phy. Brubaker, John W.	3DB	E. Perry, Willard P., jr.
SANC	Schoble, Ralph.	3ATA 3ATD	Heist, LeRoy E.	3DB 3DC	Bergen, Donald M.
3ANC 3AND	Schoble, Ralph. Casey, Howard. Silberberger, Fred E.	3ATE	Heist, LeRoy E. Tuttle, Norris. Hodges, Thomas L.	3DD	Bergen, Donald M. Bailey, William J., jr. Chism, Thomas A.
SANE	Silberberger, Fred E.	3ATF	Hodges, Thomas L.	3DE 3DF	Chism, Thomas A.
3ANF 3ANG 3ANH	Grier, G. M.	3ATG 3ATH	Gunmere, John F. George, John R.	3DG	Brockway, Ladue M. White, Norman P. Stahl, Harry E., jr.
3ANH	Shermer, F. C. Swartzkopf, Walter	3ATH 3ATI	Bayne, C. A.	3DH	Stahl, Harry E., jr.
	1 <b>K</b> .	1 3ATK	George, John R. Bayne, C. A. Viessman, Warren. Michael, Albert. Morgan Joseph ir	3DI	Lowell, Percival D.
3ANL 3ANM	Chambers, Ivan F. Bromley, George T.,	3ATI,	Morgan Tosanh ir	3DJ 3DK	McCarter, William F. Richardson, Thomas
OANA	ir.	3ATM 3ATN	Briscoe, James.	021	1 L.
3ANO	jr. Henneberger, Hubert	3ATO	Morgan, Joseph, jr. Briscoe, James. Zapp, Fred A.	3DL	Kreis, William J. Page, John C.
3 A N D	A. Zimmerman Harry	3ATP 3AU	Onens, Clarence E. Jewett, Richd. W. D. Gerns, William H., jr. Ely, Harry S.	3DM 3DN	Bertolet Benjamin
3ANP 3ANR 3ANS	A. Zimmerman, Harry. Sinkinson, Wm. R. Stacks, Thomas D. Martin, George C. Burkhart, Horace C. Collier, Wilbur H. McIver, Renwick S. Davis, Lewis V. Stiles, Ralph J. Shoemaker, Joseph L.	3AV	Gerns, William H., ir.	3DO	Bertolet, Benjamin. Maxson, Donald L. McDonald, Lester B. Smith, G. Victor.
3ANS	Stacks, Thomas D.	3AV 3AW	Ely, Harry S.	3DO 3DP	McDonald, Lester B.
3ANT	Martin, George C.	3A X 3A Y	Armer, Oscar Q.	3DQ 3DR 3DU	Smith, G. Victor.
3ANW 3AO	Collier, Wilbur H	3AY 3AZ	Gaskins, Richard W. Gillingham, George	300	Eyster, James A. Louchheim, William
3ÃOD	McIver, Renwick S.	0	L., jr.		S.
3AOD 3AOE	Davis, Lewis V.		Goods to Balance	3DV	Uphoff, Frank B.
3AOF 3AOG	Stues, Raiph J.	3BA 3BB	Krelovec Delibor	3DW 3DY	Hermanns, A Walter. Lynn, Thomas H.
3AOH	Shoemaker, Joseph L. Shaffer, Sylvester. Coblentz, Phillip O. Kenyon, Walter R.	3BC	Stephen, C. Chester.	3DZ	Fisher, Roy S.
3AOI	Coblentz, Phillip O.	3BC 3BD	Smith, Alan P.		
3AOK	Kenyon, Walter R.	3BE	Critchlow, P. Davey.	3EB 3EC	La Salle College.
3AOL 3AOM	Kienast, J. O'Brien, Francis J. Strang, Harry L. Gilbert, C. W. Lister, R. W. Ratcliffe, W. E. Bothlimer, Ches. H.	3BF 3BG	Carrington, Roland. Kralovec, Dalibor. Stephen, C. Chester. Smith, Alan P. Critchlow, P. Davey. Richter, Harry A. Clark, Edwin T. Flather, Ryven S	3ED	Thomson, Henry A. Legg. Albert A.
3AON	Strang, Harry L.	3BH	Flather, Bryan S.	3ED 3EE 3EF	Legg, Albert A. Nikirk, Thomas E. Reiff, W. Norman. Powell, Edwin L.
3AOP	Gilbert, C. W.	3BI	Flather, Bryan S. Feiler, Frederick W. Sheriff, Leslie M.	3EF	Reiff, W. Norman.
3AOR 3AOT	Rateliffa W E	3BJ 3BK	Bryce, Stanley C	3EH 3EI	Kümler, Kelvin C.
3AOW	Roethlinger, Chas. H.	3BL	Bryce, Stanley C. Beach, Harry L. Allen, George Y.	3EJ	Primrose, Donald L.
3A P	Roethlinger, Chas. H. Scheetz, Edwin F. Hogan, Harold O.	3BM	Allen, George Y.	3EK	Moore, Daniel D.
3AQ 3AR	Hogan, Harold O.	3BO 3BP	Brady, John B. Blackwood, George C.	3EL 3EM	Fricke, Henry W. L. Heyser, Wilbur A.
oan	Gilpin, Levering H.	ODE	Diaca wood, George C.	Oran.	atologi, whom V.

## THIRD DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
2FN	Whitney Lucien S	21.4	Mahlmoister F T in	21.1	Hook Lawis O
3EN	Booking John M ir	3IA 3IB	Mahlmeister, E. J., jr. Sherrill, Arthur M.	3LI 3LJ	Heck, Lewis O.
3EO 3EP	Kennedy, Joseph H.	31C	Dingee, Alex. L. M.	3LI.	Anderson, Joseph L. Schaff, Merle S.
3EQ	Whitney, Lucien S. Bookins, John M., jr. Kennedy, Joseph H. Mac Kendrick, Robert	3ID	Hasenfus, Joseph F.	3LM	Hermandez, Roger B.
-	i u.	3IF	Dingee, Alex. L. M. Hasenfus, Joseph F. Godfrey, Earle. Zabel, Roy E. Eisele, Edward, jr.	3LN	Doyle, John E.
3ES 3ET	Martin, E. Linton. Alber, Robert C.	3IG	Zabel, Roy E.	3I.O	Godfrey, Clarence M.
3ET	Alber, Robert C.	3IH	Eisele, Edward, jr.	3LP	Il≽maham Harry W.
3EU	Shelley, F. Cheston. Brannan, Julian L. Gray, K. F. McIntyre, William.	311	Gleisner, Francis W. Stockton, William. Snyder, Harry H. Pawson, James M.	3LQ	Birch, Stanford S. Zito, Vincent. Dunbar, Lewis T. Ellis, J. Elton.
3EV 3EX 3EY	Grav K F	3IJ 3IK	Snyder Harry H	3LR 3LT	Dunbar, Lawis T.
3EY	McIntyre, William.	311.	Pawson, James M.	3LŪ	Ellis, J. Elton.
	1	3IM	Behan, Arthur R. Morgan, Joseph. Williamson, Charles	1 3T.V	
3FA 3FB	Davis, Edwin L.	310	Morgan, Joseph.	3LW	Waite, John W.
3FB 3FC	Darby, George B., jr. Weik, Charles F.	3IP	Williamson, Charles	3LW 3LX 3LY	Harris William I
3FD	Simon, Walter.	310	M., jr. Knoll, Lloyd M. Hartley, Milton E. Stritzel, Alfred H. Silver, Paul. Fisher, John.	3LZ	Waite, John W. Geiglein, Henry S. Harris, William J. McCullough, Earl N.
3FF	Demoster, Warren J.	3IQ 3IS	Hartley, Milton E.	0112	moodingin, marri
3FG	Dempster, Warren J. Godfrey, James M. Smith, Sewell P.	3IT	Stritzel, Alfred H.	3MA	Bacon, Harry.
3FH	Smith, Sewell P.	3IU	Silver, Paul.	3МС	Pillsbury, Martin K.
3FI	wever, John A.	3IW	Fisher, John. Field, Harry P.	3MD	Dulany, Franklin R.
3FJ	Knowles, Edward P., jr.	3I X 3I Y	Tolbert, Warren B.	3ME 3MF	Pillsbury, Martin K. Dulany, Franklin R. Lamdin, Charles R. Hitchner, Clyde G. Mervine, Watson M. Markham Lester M.
3FL	Pearson, Roland D.	"1	TOLOGIC, WALLOUD.	3MG	Mervine, Watson M.
3FM	Pearson, Roland D. Channell, John W. Deichmiller, Alvin.	3ЈА	Presbrey, Victor.	3 <b>M</b> H	Markham, Lester M. Nash, Clifford S.
3FN	Deichmiller, Alvin.	3J B	Petit, Ernest L. Ault, Arthur K.	3MI	Nash, Clifford 8.
3FQ 3FR	i Ciark, William R.	3JC	Ault, Arthur K.	3MJ	Megowen, Horace L. Griscom, Samuel B. Morris, Maynard C. King, Albert. Rollins, Thomas E. Bickel, E. Clifton. Cohen, Henry. Ridgway, Angustin
3FT	Risciotti Rornard I	3JD 3JE	Wolcott, Roger G. Dickerson, E. Stuart,	3MK 3ML	Morris Maynard C.
3FV	Densten, E. Craig. Bisciotti, Bernard J. Edwards, Charles.	0312	l ir	3MM	King, Albert.
3FW	Strailman, Gilbert T.	3JF	Apfelbaum, Martin.	3MN	Rollins, Thomas E.
3FY	Devlin, John L.	3JH	Brockman, Francis C.	3MO	Bickel, E. Clifton.
201	Dieta Fred	3J K 3J L	Apfelbaum, Martin. Brockman, Francis C. Schnable, Stanley E. McCaskey, Edward R. Frankenfield, Albert	3MP	Ridgway, Augustin
3G A 3G B	Dietz, Fred.	3JN	Frankenfield Albert	3MQ	Ridgway, Augustin
3GD	Sener, Charles E., ir.		l 1.	3MR	Mandelkern, Maurice.
3GE	Robrich, George J. Sener, Charles E., jr. Nadig, Stanton E. Bryce, Stanley C. Moor, Percy W.	3JP	Rowe, Charles R. Snow, Harold A.	3MS	Mandelkern, Maurice. Barnhart, Lawrence
3GF	Bryce, Stanley C.	3JR	Snow, Harold A.	03475	i w
3G <b>G</b> 3G <b>I</b>	Moor, Percy W.	3JS 3JT	Beekley, Francis S.	3MT 3MU	Gardner, William. Baily, William J., jr. Whitaker, Lorenzo D.
3ĞĴ_	Pelham, Fred B. Doughty, William R. Troth, Raymond H. Meck, Michael. Board of Public Edu-	រីវិបិ	Hampson, George M. Fenimore, Robert S. Gardner, J. A. Hoagland, Donald.	3MV	Whitaker, Lorenzo D.
3G K	Troth, Raymond H.	3JV	Gardner, J. A.	3MW	Poalk, James L., jr. Moyer, Edgar F. Jodry, Ray S.
3GL	Meck, Michael.	3JX 3JY	Hoagland, Donald.	3MY	Moyer, Edgar F.
3GN	Board of Public Edu-	3J Y 3JZ	Hann, Charles B. Goodling, D. H.	3MZ	Jodry, Ray S.
3GO	cation. Norcross, Earl L.	332		3NA	Zang, Joseph R., ir.
3ĞP	Hettinger, Alfred C.	3KA	Smith, Norborne G. Goodall, Alfred B. Flynn, Thomas F. Noel, James F.	3NB 3NC	Zang, Joseph R., jr. Frye, Marcus, jr.
3GQ	Miller, Kelly. Wood, Richard M.	3KA 3KB	Goodall, Alfred B.	3NC	Dalling, Howard. Hirst, Arthur C.
3GR	Wood, Richard M.	3KC	Flynn, Thomas F.	3ND	Wolten Brown G
3GS	Honkins Robert E	3KD	Rurbaker John W.	3NE 3NF	Gaskill William W.
3GU 3GV	Morris, George M. Hopkins, Robert E. Laber, Joseph M. Schaffer, Raymond	3KE 3KF	Burbaker, John W. Green, Anthony J.	3NG	Walton, Brewer G. Gaskill, William W. Raser, Edward G.
3ĞW	Schaffer, Raymond	3KG	Patterson, John E.	3NH 3NI 3NJ	Bierfreund, Max A. Bell, Albert A., jr. Wicks, Preston S.
0075		3KH 3KI	Don Bosco Institute.	3NI	Bell, Albert A., jr.
3GX 3GY	Robinson, George C. Swinney, Walter, jr. Backe, Louis M., jr.	3KI 3KK	Stanley, John S.	3NK	Godfrey Howard L.
3GZ	Backe, Louis M., ir.	3KL	Hofmann, George A. Wagner, William H.	3NL	Godfrey, Howard L. Behm, L. F. F.
		3KM 3KN	Gray, Gerald. Barr, Richard H.	3NL 3NM 3NN	Haldeman, George E. Wallen, Francis B. Sleath, Robert W. Jones, La Frantz.
3HA	Wiseman, Luther B.	3KN	Barr, Richard H.	3NN	Wallen, Francis B.
3HB	Green Derick I	3KO 3KP	Chalmers, Edwin L.	3NO	Iones La Fronts
3HC 3HD	Wiseman, Luther B. Taylor, Sidney L. M. Green, Daniel J. Haake, William F. Weiss, Simon.	JAL	McKinley, Richard	3NP 3NQ	Morley, Augustin H.
3HF	Weiss, Simon.	3KQ	S., jr. Wexler, Bernard. Anderson Richard I	I 3NR	Morley, Augustin H. Maul, Gilbert E.
3HG	Smith, W. P. Place, Samuel W.	3 K R	Anderson, Richard J.	3NS 3NT 3NU	Parker, Joseph P.
3HH	Place, Samuel W.	3KS	Bernhart, William.	3NT	Meiton, J. Carroll.
3HI 3HJ	Bradley Horace E	3KS 3KT 3KU	Revnolds, Edwin L.	3NV	Robey, V. C. K.
3HK	Stepp, John W. Bradley, Horace E. Stokes, Joseph T.	3KW	Wester, Bernaud. Anderson, Richard J. Bernhart, William. Elder, L. W. Reynolds, Edwin L. Mehring, Charles J. Knight, G. Webber,	3NV 3NW	Parker, Joseph P. Melton, J. Carroll. Ranft, William Q. Robey, V. C. K. Burke, Thomas J.
$3 \mathbf{HL}$	Nielsen, Harald, jr.	3KX	Knight, G. Webber,	3NX 3NY	Hemizeiman, waive.
3HN	Nielsen, Harald, jr. Schuck, Leon H. Sheetz, George F.	0777	J	3NY	Lutz, J. M. Branin, Manlif L.
3HP	Burner Debert H	3KZ	Roberts, Harold A.	3NZ	Dranin, Maniii D.
3HR 3HS	Harmer, Robert H. Murray, Eugene M. Falkenberg, August	3LA	Levin, Davis.	3OA	Lentz, Arthur.
3HT	Falkenberg. August	3LB	Iddings, Frederick T.	30B	Lentz, Arthur. Kennedy, Ignatius L. Wegner, Arthur H.
	E.	3LC	Jones, Winters.	3OC	Wegner, Arthur H.
3HU	Walton, Brewer G.	3LD	Pisani, Sylvester.	3OD	I HAM. Lerov.
3HV 3HW	Leibhart, John H. Bidwell, George L.	3LE 3LF	Shreiner, Carl H	30E 30F	Talbot, George L.
3HY	Derr. Francis S.	3LG	levili, Davis. Iddings, Frederick T. Jones, Winters. Pisani, Sylvester. Samaha, Frank. Shreiner, Carl H. Lyons, Harry H. Weiss, Leonard.	30G	Mooney, John, jr. Talbot, George L. Jones, John W. Urian, J. D.
3HZ	Derr, Francis S. Zabel, Roy.	3LH	Weiss, Leonard.	30H	Urian, J. D.
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#### THIRD DISTRICT—Continued.

#### ALPHABETICALLY BY CALL SIGNALS-Continued.

300 Hindin, Louis N. 30F Fink, Louis, 3d. 30Q Welke, Paul L., Ir. 30R Walker, Donald K. 30S Lafferty, Francis A. 30S Schwering, Harry C., Jr. 30V Jacoby, Arthur C. 30V Jacoby, Arthur. 30V Wick, Arthur. 30V Wick, Arthur. 30V Behlichting, E. N. E. 3PB Zorger, Daniel H., jr. 3PD Meyer, Emil J. 3PF Allen, John P. 3PF Postpichal, Otto I. 3PF Dostpichal, Otto I. 3PF Harris, S. Sylvan. 3PJ Skinner, William H. 3PP Smith, Hubert B. 3PN Pemberton, Henry R. 3PJ Harbing, Russell. 3PJ Harbing, Russell. 3PJ Skinner, William H. 3PJ Harbing, Russell. 3PJ Harbing, Parkery M. 3PJ Harbing, Harry B. 3PN Pemberton, Henry R. 3PJ Harbing, Parkery M. 3PJ Harbing, Harry B. 3PN Pemberton, Henry R. 3PJ Harbing, Parkery M. 3PJ Harbing, Harry B. 3PN Pemberton, Henry R. 3PJ Harbing, Harry B. 3PN Parkery C. 3PR Harbing, Harry B. 3PN Parkery M. 3PJ Harbing, Harry B.	Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
Sol. Grant, Arthur   Persons, pr.   St.	301	Lehmberg, Henry.	3RD	Dimling, Rudolph G.	3UA	Gilbert, Harry P., ir.
Sol. Grant, Arthur   Persons, pr.   St.	3OJ	Barron, John H., jr.			3UB	Lamb, Roland H.
300 Matce, Walter A. 300 Fink, Louis 3d. 300 Welke, Paul L. l. 301 Welke, Paul L. l. 302 Welke, Paul L. l. 303 September J. 304 Schwering, Harry C., J. 305 Jesus, Elmer J. 307 Jacoby, Arthur C., J. 307 Jacoby, Arthur C., J. 307 Jacoby, Arthur C., J. 308 Patchel, Robert E. 308 Welke, Paul H., Jr. 307 Melter, Ralph H. 307 Melter, Ralph H. 307 Welker, Daniel H., Jr. 308 Patchel, Robert E. 308 Welker, Paul H., Jr. 309 Jacoby, Arthur C., Jr. 318 Robert E. 329 Alfen, John P. 3219 Alfen, John P. 3210 Harris, Edwin R. 3210 Alter, John P. 3210 Harris, Edwin R. 3211 Harris, S. Sylvan. 322 Mecas, Herbert K. 3231 Harris, S. Sylvan. 324 Schimer, William H. 325 Shimer, William H. 326 Daniel H., Jr. 327 Mellentine, Charles S. 328 Peter, Armisteed, 3d. 329 Stevens, Lewis D. 320 Derden, Rowle R. 330 Jun 30 Jun 20	80K	Paine, J. Persons, ir.	3RE	Longaker, A.	3UD	Silvers, Frank H.
300 Matce, Walter A. 300 Fink, Louis 3d. 300 Welke, Paul L. l. 301 Welke, Paul L. l. 302 Welke, Paul L. l. 303 September J. 304 Schwering, Harry C., J. 305 Jesus, Elmer J. 307 Jacoby, Arthur C., J. 307 Jacoby, Arthur C., J. 307 Jacoby, Arthur C., J. 308 Patchel, Robert E. 308 Welke, Paul H., Jr. 307 Melter, Ralph H. 307 Melter, Ralph H. 307 Welker, Daniel H., Jr. 308 Patchel, Robert E. 308 Welker, Paul H., Jr. 309 Jacoby, Arthur C., Jr. 318 Robert E. 329 Alfen, John P. 3219 Alfen, John P. 3210 Harris, Edwin R. 3210 Alter, John P. 3210 Harris, Edwin R. 3211 Harris, S. Sylvan. 322 Mecas, Herbert K. 3231 Harris, S. Sylvan. 324 Schimer, William H. 325 Shimer, William H. 326 Daniel H., Jr. 327 Mellentine, Charles S. 328 Peter, Armisteed, 3d. 329 Stevens, Lewis D. 320 Derden, Rowle R. 330 Jun 30 Jun 20	30L	Grant, Arthur F.	3RF	Wallace, William D.	3UE	Lindauer, Edgar.
## Hodges, R. E. L.  ## Body Hindin, Louis N.  ## Body Hindin, Louis N		Mooney, John, jr.	3RH	Kline, H. N. Gay.		Howlett, Joseph T. F.
30Q Welke, Psul L. Ir. 3RM Meesslin, Harry B. 3RM SRM Welke, Psul L. Ir. 3RM SRM SRM SRM SRM SRM SRM SRM SRM SRM S	30N	Matos, Walter A.		Hodges, R. E. L.	3 <b>Ū</b> G	Dearden, Rowland
30R Lafferty, Francis A. 3RN Green's J. March S. Campbell, James J. St. Kirby, Elmer S. 3UK Schwering, Harry C., 3RP Schw	300	Hindin, Louis N.		Oppermann, Richard.		1 R., 3d.
30R Lafferty, Francis A. 3RN Green's J. March S. Campbell, James J. St. Kirby, Elmer S. 3UK Schwering, Harry C., 3RP Schw		Fink, Louis, 3d.	3RK	Mecaslin, Harry B.		Rivers, William L.
30V Jacoby, Arthur C. 30X Wick, Arthur. 30Y Muller, Ralph H. 30Z Twine, Roy. 31R Str. 32R Str	80 <b>Q</b>	Welke, Paul L., jr.		Phillips, John D.		George, John R.
30V Jacoby, Arthur C. 30X Wick, Arthur. 30Y Muller, Ralph H. 30Z Twine, Roy. 31RU Stronger, Daniel H., jr. 32PD Meyer, Emil J. 32PE Allen, John P. 32PF Allen, John P. 32PF Postpichal, Otto I. 32PH Barris, Belvin. 32PH Harris, Belvin. 33PH Harris, Belvi	30R	Lafforty Francis A		Ramsey, Howard N.		
30V Jacoby, Arthur C. 30X Wick, Arthur. 30Y Muller, Ralph H. 30Z Twine, Roy. 31R Str. 32R Str	30T	Faugt Firmer I	380	Visher Flores C	3U K	Durken Edmund B
30V Jacoby, Arthur C. 30X Wick, Arthur. 30Y Muller, Ralph H. 30Z Twine, Roy. 31R Str. 32R Str	3OTI	Schwering, Harry C.		Hose Jaroma S		Carpenter, C. Ell-
302 Twine, Roy.  374 Sehlichting, E. N. E. 375 Alger, Daniel H., jr. 387 Meyer, Emil J. 387 Meyer, Emil J. 387 Meyer, Emil J. 387 Meyer, Emil J. 388 Meyer, Harvey L. 387 Turner, Morris C., jr. 387 Allen, John P. 387 Postpichal, Otto I. 387 Allen, John P. 387 Postpichal, Otto I. 387 Meyer, Emil J. 388 Meyer, Harvey L. 388 Meyer, Harvey L. 388 Meyer, Harvey L. 388 Meyer, Harvey L. 389 Meyer, Emil J. 380 Meyer, Emil J. 380 Meyer, Emil J. 380 Meyer, Emil J. 381 Meyer, Harvey L. 382 Meyer, Harvey L. 384 Meyer, Harvey L. 385 Meyer, Meyer, Morris C., jr. 394 Meyer, Emil J. 387 Meyer, Emil J. 388 Meyer, Emil J. 387 Meyer, Emil J. 388 Meyer, Harvey L. 388 Meyer, Harvey L. 388 Meyer, Mervey L. 394 Meyer, Emil J. 387 Meyer, Emil J. 388 Meyer, Emil J. 387 Meyer, Emil J. 388 Meyer, Emil J. 387 Meyer, Emil J. 388 Meyer, Emil J. 388 Meyer, Emil J. 388 Meyer, Emil J. 388 Meyer, Emil J. 387 Meyer, Emil J. 388 Meyer, Harvey L. 388 Meyer, Mervey L. 398 Meyer, Meryer L. 398 Mert, Morris C. 398 Meyer, Meryer L. 398 Mert, Meryer L. 399 Mert, Meryer R. 390 Meryer, Lender R. 390 Mert, Meryer R. 391 Mert, Meryer L. 390 Mert, Mert, Mert, Morris C. 391 Mert, Mert, Morris C. 392 Mert, Me		l ir.	3 P.R.	Roeller Harold C	0011	wood ir
302 Twine, Roy.  374 Sehlichting, E. N. E. 375 Alger, Daniel H., jr. 387 Meyer, Emil J. 387 Meyer, Emil J. 387 Meyer, Emil J. 387 Meyer, Emil J. 388 Meyer, Harvey L. 387 Turner, Morris C., jr. 387 Allen, John P. 387 Postpichal, Otto I. 387 Allen, John P. 387 Postpichal, Otto I. 387 Meyer, Emil J. 388 Meyer, Harvey L. 388 Meyer, Harvey L. 388 Meyer, Harvey L. 388 Meyer, Harvey L. 389 Meyer, Emil J. 380 Meyer, Emil J. 380 Meyer, Emil J. 380 Meyer, Emil J. 381 Meyer, Harvey L. 382 Meyer, Harvey L. 384 Meyer, Harvey L. 385 Meyer, Meyer, Morris C., jr. 394 Meyer, Emil J. 387 Meyer, Emil J. 388 Meyer, Emil J. 387 Meyer, Emil J. 388 Meyer, Harvey L. 388 Meyer, Harvey L. 388 Meyer, Mervey L. 394 Meyer, Emil J. 387 Meyer, Emil J. 388 Meyer, Emil J. 387 Meyer, Emil J. 388 Meyer, Emil J. 387 Meyer, Emil J. 388 Meyer, Emil J. 388 Meyer, Emil J. 388 Meyer, Emil J. 388 Meyer, Emil J. 387 Meyer, Emil J. 388 Meyer, Harvey L. 388 Meyer, Mervey L. 398 Meyer, Meryer L. 398 Mert, Morris C. 398 Meyer, Meryer L. 398 Mert, Meryer L. 399 Mert, Meryer R. 390 Meryer, Lender R. 390 Mert, Meryer R. 391 Mert, Meryer L. 390 Mert, Mert, Mert, Morris C. 391 Mert, Mert, Morris C. 392 Mert, Me		Jacoby, Arthur C.		Yearley, Clifton K.	3UR	Cohan, William W.
302 Twine, Roy.  374 Sehlichting, E. N. E. 375 Alger, Daniel H., jr. 387 Meyer, Emil J. 387 Meyer, Emil J. 387 Meyer, Emil J. 387 Meyer, Emil J. 388 Meyer, Harvey L. 387 Turner, Morris C., jr. 387 Allen, John P. 387 Postpichal, Otto I. 387 Allen, John P. 387 Postpichal, Otto I. 387 Meyer, Emil J. 388 Meyer, Harvey L. 388 Meyer, Harvey L. 388 Meyer, Harvey L. 388 Meyer, Harvey L. 389 Meyer, Emil J. 380 Meyer, Emil J. 380 Meyer, Emil J. 380 Meyer, Emil J. 381 Meyer, Harvey L. 382 Meyer, Harvey L. 384 Meyer, Harvey L. 385 Meyer, Meyer, Morris C., jr. 394 Meyer, Emil J. 387 Meyer, Emil J. 388 Meyer, Emil J. 387 Meyer, Emil J. 388 Meyer, Harvey L. 388 Meyer, Harvey L. 388 Meyer, Mervey L. 394 Meyer, Emil J. 387 Meyer, Emil J. 388 Meyer, Emil J. 387 Meyer, Emil J. 388 Meyer, Emil J. 387 Meyer, Emil J. 388 Meyer, Emil J. 388 Meyer, Emil J. 388 Meyer, Emil J. 388 Meyer, Emil J. 387 Meyer, Emil J. 388 Meyer, Harvey L. 388 Meyer, Mervey L. 398 Meyer, Meryer L. 398 Mert, Morris C. 398 Meyer, Meryer L. 398 Mert, Meryer L. 399 Mert, Meryer R. 390 Meryer, Lender R. 390 Mert, Meryer R. 391 Mert, Meryer L. 390 Mert, Mert, Mert, Morris C. 391 Mert, Mert, Morris C. 392 Mert, Me	30 W	Patchel, Robert E.	3RT	Sheiry, Edward S.		Cianfrani, Theodore.
302 Twine, Roy.  374 Sechilchting, E. N. E. 375 Alph John P. 376 Dorsey, Arthur. 377 Altee, Franklin. 378 Altee, Franklin. 379 Harris, Edwin R. 380 Section, Albert F. 381 Section, Albert F. 381 Section, Albert F. 382 Section, Albert F. 383 Section, Albert F. 384 Section, Albert F. 385 Section, Albert F. 386 Section, Albert F. 387 Section, Albert F. 388 Section, Albert F. 389 Section, Albert F. 381 Section, Albert F. 381 Section, Albert F. 382 Section, Albert F. 383 Section, Albert F. 384 Section, Albert F. 385 Section, Albert F. 386 Section, Albert F. 387 Section, Albert R. 388 Section, Albert F. 388 Section, Albert F. 389 Section, Albert F. 380 Section, Albert F. 381 Section, Albert F. 382 Section, Albert F. 384 Section, Albert F. 385 Section, Albert F. 385 Section, Albert F. 386 Section, Albert F. 387 Section, Albert F. 388 Section, Albert F. 389 Section, Albert F. 380 Section, Albert F. 381 Section, Albert F. 381 Section, Albert F. 382 Section, Albert F. 384 Section, Albert F. 385 Section, Albert F. 386 Section, Albert F. 386 Section, Albert F. 387 Section, Albert F. 388 Section, Albert F. 389 Section, Albert F. 380 Section, Albert F. 381 Section, Albert F. 381 Section, Albert F. 382 Section, Albert F. 383 Section, Albert F. 384 Section, Albert F. 385 Section, Albert F. 386 Section, Albert F. 387 Section, Albert F. 388 Section, Albert F. 389 Section, Albert F. 380 Section, Albert F. 381 Section, Albert F. 381 Section, Albert F. 382 Section, Albert F. 384 Section, Albert F. 385 Section, Albert F. 385 Section, Albert F. 386 Section, Albert F. 387 Section, Albert F. 388 Section, Albert F. 389 Section, Albert F. 380 Section, Albert F. 381 Section, Albert F. 381 Section, Albert F. 381 Section, Albert F. 382 Section, Albert F. 384 Section, Albert F. 385 Section, Albert F. 386 Section, Albert F. 387 Section, Albert F. 388 Section, Albert F. 389 Section, Albert R. 390 Section, Albert R. 390 Section, Albert R. 390 Section, Albert R. 391 Section, Albert R. 391 Section, Albert R. 391 Section, Albert R. 391 Section, Alb	30 X	Wick, Arthur.	3RU	Hoff, J. Marshall.	3UV	Ross, John W.
3PA Schlichting, E. N. E. 20rger, Daniel H., Jr. 3RY Suskey, Harvey L. 3RX Sary Downer, Emil J. 3RY Sary Allen, John P. 1975 A		Muller, Ralph H.	3RV	Hammill, McClin-		Call, J. Richard.
3PA Schlichting, E. N. E. 3RX 3RX Bluskey, Harvey L. 3VA Bluskey, Harvey L. 3VA Buskey, Leon, Albert F. 3VD Cheltenham High School. 3VF Ch	30Z	Twine, Koy.		tock, jr.	3UZ	Braidwood, Thomas
3PB Meyer, Emil J. 3PD Meyer, Emil J. 3PF Allen, John P. 3PF Postpichal, Otto I. 3PG Dorsey, Arthur. 3PH Harris, Edwin R. 3PI Atlee, Franklin. 3PK McGear, Herbert K. 3PL Ballentine, Charles S. 3PN McGear, Herbert K. 3PL Ballentine, Charles S. 3PN Schinner, William H. 3PR Hamburg, Russell. 3PP Schinner, William H. 3PP Hilestand, Benjamin. 3PW Hilestand, Benjamin. 3PW Hilestand, Benjamin. 3PW Howard, H. Trumbill. 3PP Bergey, H. Leon. 3PZ Griffith, Elmer G. 3QA Stevens, Lewis D. 3QA Stevens, Lewis D. 3QB Derbyshire, A gne w W. 3QC Lever, Haseltine S., Ir. 3QD Anderson, Frederick J. 3QL Landis, Harold C. 3QL Say Arnold. 3QL Landis, Harold C. 3QL Say Arnold. 3QL Derbyshire, A gne w W. 3QQ Landis, Harold C. 3QQ Say Fark H. 3QQ M Varies, Earl W. 3QQ Landis, Harold E. 3QQ Service, Charles S. 3QQ	2D A	Soblighting F N F	3RW	Redgrave, de Witt C.		w.
3FE Allen, John to L 3PG Dorsey, Arthur. 3PH Harris, Edwin R. 3PI Atlee, Franklin. 3PJ Harris, S, Sylvan. 3PK McGear, Herbert K. 3PL Ballentine, Charles S. 3PN Pemberton, Henry R. 3PP Skinner, William H. 3PP Hamburg, Russell. 3PT Creager, E. Clark. 3PU Smith, Hubert B. 3PV Hiestand, Benjamin. 3PW Holladelphia School of Wireless Telegraphy. 3PW Bergey, H. Leon. 3PZ Griffith, Elmer G. 3PZ Griffith, Elmer G. 3PZ Lever, Haseltine S. 1p. 3PQ Darbyshire, A g ne w 3PZ Long, P. H. 3PQ Long, P. H. 3PP Shinner, William H. 3PY Bergey, H. Leon. 3PZ Griffith, Elmer G. 3PZ Grif	3PR	Zorger Daniel H is	3RX	Buskey, Harvey L.	037 4	Dumbom William 37
3FF Ostpichal, Otto I. 3PG Dorsey, Arthur. 3PH Harris, Edwin R. 3PI Atlee, Franklin. 3PI Atlee, Franklin. 3PI Harris, S. Sylvan. 3PK McGear, Herbert K. 3PN Ballentine, Charles S. 3PN Pemberton, Henry R. 3PP Skinner, William H. 3PP Skinner, William H. 3PP Skinner, William H. 3PP Hamburg, Russell. 3PP Creager, E. Clark. 3PU Silvan Philadelphia School of Wireless Telegraphy. 4PV Hiestand, Benjamin. 3PW Dieless Telegraphy. 4PV Howard, H. Trumbull. 3PY Bergey, H. Leon. 3PZ Griffith, Elmer G. 3PZ Bergey, H. Leon. 3PZ Griffith, Elmer G. 3PZ Lever, Haseltine S., I. 3PZ Long, P. H. 3QL Landis, Harold O. 3QL Poole, Q. D. 3QL Varies Earl W. 3QL Landis, Harold E. 3QL Long, Park H. 3QL Tapley, Robert E. 3QL Tapley, Robert E. 3QL Tapley, Robert E. 3QL Tapley, Robert S. 3QL Bayard, Arnold. 3QL Delchmann, George L. 3QL Tapley, Rarbold E. 3QL Tapley, Robert S. 3TR Hangly, Robert S. 3TR Hasyard, Arnold. 3QL Bayard,	ăРĎ	Meyer Emil J.	3KY	Domett Montage		Putt Hower P
Postpichal, Uto 1. Dorsey, Arthur. Parris, Edwin R. Atlee, Franklin. Parris, S. Sylvan. McGear, Herbert K. PL Ballentine, Charles S. Pemberton, Henry R. Pemberton, Henry R. Pemberton, Henry R. Pemberton, Henry R. Parr Creager, E. Clark. Smith, Hubert B. Prick Spring, Russell. Prick Spring, Russell	3PE	Allen, John P.	3RZ	Darrett, Montague W.	3V B	Pancetelli Ernani
3PG 3PH Arris, Edwin R. 3PI Atlee, Franklin. 3PJ Harris, S. Sylvan. 3PK 3PK 3PL Arris, S. Sylvan. 3PK 3PK 3PL Arris, S. Sylvan. 3PK 3PL 3PR 3PN 3PN 3PN 3PN 3PN 3PN 3PP Skinner, William H. 3PP 3PP 3PP Skinner, William H. 3PP 3PP 3PP 3PP 3PP 3PP 3PP 3PP 3PP 3P	3PF	l Postpichal, Otto I.	20.4	Regula Fred A	3VE	Brenner Samuel
Atlee, Franklin.  3PI Atlee, Franklin.  3PI Harris, 8. Stylvan.  3PK Ballentine, Charles S. 3PN Pemberton, Henry R. 3PP Skinner, William H. 3PR Hamburg, Russell. 3PT Creager, E. Clark. 3PU Smith, Hubert B. 3PV British History R. 3PV British Hubert B. 3PV History R. 3PV History R. 3PV British Hubert B. 3PV History R. 3PV British Arabica A. 3PV Bri	3PG	Dorsey, Arthur.	38C	Ecton, Albert F.	3VF	Tompkins, E. Ran-
3PK 3PK 3PL 3PK 3PS 4 McGear, Herbert K. Ballentine, Charles S. 3PN 3PP 3PP 3PP 3PP 3PP 3PP 3PP 3PP 3PP	3PH	Harris, Edwin R.		Cheltenham High	0.1	
3PK Ballentine, Charles S. SPO Pemberton, Henry R. Skinner, William H. SPP Pamberton, Henry R. Skinner, William H. SPP Paperton, Henry R. Skinner, William H. Spray R. Seley, C. Herbert. Spray R. Seley, P. Herman L. Spray R. Seley, Alfred J. Svr. Seley R. Henrodn, Landon C. Spr. Svr. Svr. Svr. Svr. Svr. Svr. Svr. Sv		Atlee, Franklin.	0.22	School.		Applegate, Franklin.
3PL Salentine, Charles S. Pemberton, Henry R. Skrinner, William H. Skrinner, William, Harvey. McInterest. Skrinner, McInterest. Skrinner, McInterest. Skrinner, William, Harvey. McInterest. Skrinner, McInterest. Skrinner	3PJ	Harris, S. Sylvan.		Peter, Armistead, 3d.	3VH	Ancona, Fred.
3PN 3PP Skinner, William H. 3SI	3PK.	McGear, Herbert K.	38G	Speakman.Edwin G		Egner, John.
3PR dramburg, Russell. Spritch, Hubert B. Smith, Hubert B. Swith, Hubert B. Swith, Hubert B. Swith, Hubert B. Swith, Hubert B. Smith, Hubert B. Swith, Hubert B		Pemberton Henry R	l	jr		Griffith, Dorsey J.
3PR dramburg, Russell. Spritch, Hubert B. Smith, Hubert B. Swith, Hubert B. Swith, Hubert B. Swith, Hubert B. Swith, Hubert B. Smith, Hubert B. Swith, Hubert B	3PP	Skinner William H.		Kenyon, Walter R.	3VL	
Hestand, Henjamin. Philadelphia School of Wireless Telegraphy.  3PX Howard, H. Trumbull.  3PY Bergey, H. Leon. Griffith, Elmer G.  3QA Stevens, Lewis D.  3QB Derbyshire, A g n e w W. Lever, Haseltine S., jr.  3QC Lever, Haseltine S., jr.  3QL Anderson, Frederick J. Long, P. H. Langis, James D. Landis, Harrly.  3QL Landis, Harrly.  3QL Landis, Harrly.  3QL Adams, Leslie H.  3QL Tapley, Robert E.  3QM Varnes, Earl W.  3QN Attee, Charles B.  3QD MocCloskey, Leonard.  3QP Tulton, Harold E.  3QP Adams, Leslie H.  3QP Stevens, Lewis D.  3QP Anderson, Frederick J.  3QP Landis, Harrly.  3QP Landis, Harrly.  3QP Stevens, Lewis D.  3QP Stevens, Lewis D.  3QP Anderson, Frederick J.  3QP Landis, Harrly.  3QP Landis, Harrly.  3QP Varnes, Earl W.  3QP Adams, R. B.  3QP Kupp, Clarence L.  3QP Stevens, Lewis D.  3SR Brany, Emil B.  3VX Seeley, Alfred J.  3VZ SW Syw Barnard, Julian W.  3VZ SW ST Swes, Hared W., jr.  3WF Howard, H. Trumbulla, Swy Beresford, Rees H.  3WF Wohlford, John F.  3WF Worley, Robert A.  3WF Worley, Aller W.  3WF Worley, Aller W.  3WF Worley, Aller W.  3WF W	3PR	Hamburg, Russell.			23737	Worse Clorence I
Hestand, Henjamin. Philadelphia School of Wireless Telegraphy.  3PX Howard, H. Trumbull.  3PY Bergey, H. Leon. Griffith, Elmer G.  3QA Stevens, Lewis D.  3QB Derbyshire, A g n e w W. Lever, Haseltine S., jr.  3QC Lever, Haseltine S., jr.  3QL Anderson, Frederick J. Long, P. H. Langis, James D. Landis, Harrly.  3QL Landis, Harrly.  3QL Landis, Harrly.  3QL Adams, Leslie H.  3QL Tapley, Robert E.  3QM Varnes, Earl W.  3QN Attee, Charles B.  3QD MocCloskey, Leonard.  3QP Tulton, Harold E.  3QP Adams, Leslie H.  3QP Stevens, Lewis D.  3QP Anderson, Frederick J.  3QP Landis, Harrly.  3QP Landis, Harrly.  3QP Stevens, Lewis D.  3QP Stevens, Lewis D.  3QP Anderson, Frederick J.  3QP Landis, Harrly.  3QP Landis, Harrly.  3QP Varnes, Earl W.  3QP Adams, R. B.  3QP Kupp, Clarence L.  3QP Stevens, Lewis D.  3SR Brany, Emil B.  3VX Seeley, Alfred J.  3VZ SW Syw Barnard, Julian W.  3VZ SW ST Swes, Hared W., jr.  3WF Howard, H. Trumbulla, Swy Beresford, Rees H.  3WF Wohlford, John F.  3WF Worley, Robert A.  3WF Worley, Aller W.  3WF Worley, Aller W.  3WF Worley, Aller W.  3WF W	3PT	Creager, E. Clark.		Bayloy C Horbort	300	Schall John R
Hestand, Henjamin. Philadelphia School of Wireless Telegraphy.  3PX Howard, H. Trumbull.  3PY Bergey, H. Leon. Griffith, Elmer G.  3QA Stevens, Lewis D.  3QB Derbyshire, A g n e w W. Lever, Haseltine S., jr.  3QC Lever, Haseltine S., jr.  3QL Anderson, Frederick J. Long, P. H. Langis, James D. Landis, Harrly.  3QL Landis, Harrly.  3QL Landis, Harrly.  3QL Adams, Leslie H.  3QL Tapley, Robert E.  3QM Varnes, Earl W.  3QN Attee, Charles B.  3QD MocCloskey, Leonard.  3QP Tulton, Harold E.  3QP Adams, Leslie H.  3QP Stevens, Lewis D.  3QP Anderson, Frederick J.  3QP Landis, Harrly.  3QP Landis, Harrly.  3QP Stevens, Lewis D.  3QP Stevens, Lewis D.  3QP Anderson, Frederick J.  3QP Landis, Harrly.  3QP Landis, Harrly.  3QP Varnes, Earl W.  3QP Adams, R. B.  3QP Kupp, Clarence L.  3QP Stevens, Lewis D.  3SR Brany, Emil B.  3VX Seeley, Alfred J.  3VZ SW Syw Barnard, Julian W.  3VZ SW ST Swes, Hared W., jr.  3WF Howard, H. Trumbulla, Swy Beresford, Rees H.  3WF Wohlford, John F.  3WF Worley, Robert A.  3WF Worley, Aller W.  3WF Worley, Aller W.  3WF Worley, Aller W.  3WF W	3PU	Smith, Hubert B.		Knoppel Herman I.	3VP	Rothman, Charles.
Armoless Felegraphy.  Sergey, H. Leon.  Seleoy, Alfred J.  Sergey, H. Leon.  Seleoy, Alfred J.  Seley, Alfred J.  Sergey, H. Leon.  Sergey, H. Leon	3PV	Hiestand, Benjamin.			3VQ	
3PX Howard, H. Trumbull.  3PY Bergey, H. Leon. Griffith, Elmer G. 3QA Stevens, Lewis D. Derbyshire, A gnew W. 3QC Lever, Haseltine S., Jr. 3QD Anderson, Frederick J. 3QE Long, P. H. 3QG Landis, Harold O. 3QI Poole, G. D. 3QL Tapley, Robert E. 3QM Adams, Leslie H. 3QL Tapley, Robert E. 3QM Atlee, Charles B. 3QO MacCloskey, Leonard. 3QP Aclee, Charles B. 3QQ Squ Hard J. 3QD Andreson, Frederick J. 3RT Huyerte, Paul B. 3WG Macles H. 3TD Huyette, Paul B. 3WK Miller, Harry G. 3WK Miller, Harry G. 3WK Miller, Harry G. 3WK Miller, Harry G. 3WK Moyley, Robert A. 3WK Morley, Robert A. 3WK	3PW	Philadelphia School	0511	R.	3VŘ	McVicker, W. Pat-
3PX Howard, H. Trumbull. 3PY Bergey, H. Leon. Griffith, Elmer G. 3SR Anderson, John A. 3SS Brany, Emil B. 3VX John A. 3VY Beresty, H. Leon. 3SV Seeley, Alfred J. 3VY Berestord, Rees H. 3VY Beresford, Rees H. 3VX Berns, Lewis D. 3SV Seeley, Alfred J. 3VX Berns, Lewis D. 3SV Seeley, Alfred J. 3VX Bernsford, Rees H. 3VX Beresford, Rees H. 3VX Bernsford, Rees H. 3VX BwC Barled W. 3WC Bernsford, Rees H. 3VX BwC Barled W. 3WC Barled H. 3W			3SO	Bradshaw, R. B.	l .	I ton
3PY Bergey, H. Leon. Griffith, Elmer G. Griffith, Elmer G. Griffith, Elmer G. SST Chappell, Ralph R. Seeley, Alfred J. SVX Seeley, A	2PY	Howard H Trum-	3SQ	Kupp, Clarence L.	3VU	Nikirk, Thomas E.
3PZ Griffith, Elmer G. 3ST Sevens, Lewis D. Derbyshire, A g n e w W. 3SW Seley, Alfred J. 3VY Selesy, Alfred J	01.12	bull.	3SR	Anderson, John A.	3 V V	Rose, Harold M.
3PZ Griffith, Elmer G. 3SU Seeley, Alfred J. 3VY Beresford, Rees H. Orlando, Frank.  3QA Stevens, Lewis D. Derbyshire, A g n e w W. W. Sky Barrard, Julian W. Gleske, Alfred W. Jr. 3ky Barretta, Valroy S. 3WD Moyer, Luke I. 3WF Wohlford, John F. Judson, Elbert B. 3WF Wohlford, John F. Judson, Elbert B. 3WF Worley, Robert A. 3WG Worley, Robert A. 3WF W	3PY		388	Grany, Emil B.	3V W	Flounders Newton
3QR Derbyshire, A gnew W.  3QC Lever, Haseltine S., jr. Anderson, Frederick J. 3QE Long, P. H. 3QF Haig, James D. 3QI Landis, Harold O. 3QI Poole, G. D. 3QL Adams, Leslie H. 3QL Tapley, Robert E. 3QR Adams, Leslie H. 3TF Abb, Vincent W. 3QR Adams, Leslie B. 3TG Adams, Leslie H. 3TG Murphy, Clement H. 3WR Morley, Robert A. 3WR Martin E. 3WR Myorley, Robert A. 3WR Myorley, Robert B. 3WR Morley, Robert B. 3WR Myorley, Robert B. 3WR Morley, Clement H. 3WR Myorley, Robert B.	3PZ	Griffith, Elmer G.		Chappen, Raiph R.	3V A	Raresford Reas H
3QR Derbyshire, A gnew W.  3QC Lever, Haseltine S., jr. Anderson, Frederick J. 3QE Long, P. H. 3QF Haig, James D. 3QI Landis, Harold O. 3QI Poole, G. D. 3QL Adams, Leslie H. 3QL Tapley, Robert E. 3QR Adams, Leslie H. 3TF Abb, Vincent W. 3QR Adams, Leslie B. 3TG Adams, Leslie H. 3TG Murphy, Clement H. 3WR Morley, Robert A. 3WR Martin E. 3WR Myorley, Robert A. 3WR Myorley, Robert B. 3WR Morley, Robert B. 3WR Myorley, Robert B. 3WR Morley, Clement H. 3WR Myorley, Robert B.	•••	1		King Charles E	3VZ	Orlando, Frank.
Anderson, Frederick J J J J J J J J J J J J J J J J J J J	3QA	Stevens, Lewis D.		Barnard, Julian W.	0.2	011111111111111111111111111111111111111
Anderson, Frederick J J J J J J J J J J J J J J J J J J J	аув	Derbyshire, Agnew		Gleske, Alfred W., ir.	3WC	Ort, O. V.
Anderson, Frederick J J J J J J J J J J J J J J J J J J J	30C		3SY	Barretta, Valroy S.		Moyer, Luke I.
Anderson, Frederick J J J J J J J J J J J J J J J J J J J	940		3SZ	Herndon, Landon C.	3WE	Wohlford, John F.
3QE Long, P. H. 3TB Judson, Elbert B. Landis, Harry G. 3WI Shannon, Frank. Photosoft, G. D. 3TE Huyette, Paul B. Thorborg, Martin E. 3WI Shannon, Frank. Shann	3QD				3WF	Huyler, Rollin M.
3QI Poole, G. D. 3QK Adams, Leslie H. 3QL Tapley, Robert E. 3QM Varnes, Earl W. 3QN Atlee, Charles B. 3QC Service, Charles C. 3QP Hall, Robert S. 3QV Hall, Robert S. 3QV Stewart Electric Co. 3QY S	-	1 J.	3TA	Piper, S. Webster.	3 W G	I WOTIEV, KODELLA.
3QI Poole, G. D. 3QK Adams, Leslie H. 3QL Tapley, Robert E. 3QM Varnes, Earl W. 3QN Atlee, Charles B. 3QC Service, Charles C. 3QP Hall, Robert S. 3QV Hall, Robert S. 3QV Stewart Electric Co. 3QY S	3QE	Long, P. H.	3TB	Judson, Elbert B.	3 W H	Dornall Hanry ir
3QI Poole, G. D. 3QK Adams, Leslie H. 3QL Tapley, Robert E. 3QM Varnes, Earl W. 3QN Atlee, Charles B. 3QC Service, Charles C. 3QP Hall, Robert S. 3QV Hall, Robert S. 3QV Stewart Electric Co. 3QY S	3Q.F	Haig, James D.		Miller Herry C		Alden, John H.
3QK Adams, Leslie H. 3QL Tapley, Robert E. 3TG Murphy, Clement H. 3WM Mocloskey, Leonard. 3QN Atlee, Charles B. 3QQ McCloskey, Leonard. 3QP Fulton, Harold E. 3QQ Cassady, Park H. 3QV Bayard, Arnold. 3QV Hall, Robert S. 3QV Hall, Robert S. 3QV Hall, Robert S. 3QX Stewart Electric Co. 3QY Stewart Electric Co. 3GY Messinger, Miles N. 3TD Markingham, Ottis B. 3TR Markingham, Ottis B. 3TR Mandeville, Francis T. 3WW Markin E. 3WM Motops, Crawford V. 3WP Markin E. 3WM Motops, Cloman, William. 3WM Motops, Crawford V. 3WP Markin E. 3WM Motops, Cassady, John P. 3WQ School, Pyle, W. A. Faries Advard C. 3TR Mandeville, Francis T. 3WU Motops, Cassady, John P. 3WQ School, Pyle, W. A. Faries Advard C. 3WW Motops, Crawford V. 3WR Motops, Cassady, John P. 3WQ School, Pyle, W. A. Faries Advard C. 3WW Motops, Cassady, Park H. 3WR Motops, Cassady, John P. 3WQ School, Pyle, W. A. Faries Advard C. 3WW Motops, Cassady, Park H. 3WR Motops, Cassady, John P. 3WQ School, Pyle, W. A. Faries Advard C. 3WW Motops, Cassady, John P. 3WM Motops, Cassady, John P. 3WQ Motops, Cassady, John P. 3WD Motops, Ca	3QG	Landis, Harold O.	377	Huvette Poul R		i Shannou, Frank.
Attes, Charles B.  McCloskey, Leonard.  Structure and the structur	301	Poole, G. D.	375	Thorborg, Martin E	3WL	Davis, Raymond.
Attes, Charles B.  McCloskey, Leonard.  Structure and the structur	301	Tanlay Robert F		Murphy, Clement H.		Cloman, William.
Attes, Charles B.  McCloskey, Leonard.  Structure and the structur	30 M	Varnes Earl W		Tabb, Vincent W.	3WN	Gaty, John P.
3QF Structure Fulton, Harold E. Savage, Thomas A. Bowes, Joseph J. School. School. Shool. Sho	30 N	Atlee, Charles B.	3TI	Nichols, Crawford V.		Goodwin, Harold F.
3QV Cassady, Park H. Bayard, Arnold. Brittingham, Ottis B. L., jr. Bayard, Arnold. STP Andrews, Edward C. Brittingham, Ottis B. Mandeville, Francis T. SWW Stewart Electric Co. Service, Charles A., jr. Banford, Irving. Banford, Irving. Basford, Robert F. Service, Charles A., jr. Banford, Irving. Banford, I	3Q.O	McCloskey, Leonard.	3TJ	Edson, Howard D.		Cox, T. Newell.
3QU Bayard, Arnold. 3QU Bayard, Arnold. 3TM Bayard, Arnold. Delchmann, George L., ir. 3QV Hall, Robert S. 3QX Bayrd, Lawrence P. Barrington, Roger W. 3QX Stewart Electric Co. Service, Charles A., jr. 3TV Balnford, Irving.	3Q.P	Fulton, Harold E.	3TK	Savage, Thomas A.	3 W Q	Lower Marion High
3QU Delchmann, George L., jr. 18 Adrews, Edward C.	3QQ	Cassady, Park H.		Book Franklin	2WD	Pula W A Fariac
3QU Deichmann, George L., jr. 3TQ Andrews, Edward C. 3WU Steller, Frank F. 3WX Sq. 3QY Service, Charles A., jr. 3TV Service, Charles A., jr. 3TV Service, Messinger, Miles N. 3TW Lewis, Ellis, jr. 4Ndrews, Edward C. 3WU Swy	3QT	Bayard, Arnold.		Reittingham Ottic D	3WT	Young Walter T
3QV 3QV Hall, Robert S. Harsch, Lawrence P. 3QX Barrington, Roger W. 3QY Stewart Electric Co. Service, Charles A., jr. 3RA Messinger, Miles N. 3RB Lewis, Ellis, jr.  3TR Mandeville, Francis T. 3WW 3WX 3WX 3WX Goebel, Eugene S. 3TV Blanford, Irving. 3TW Leslie, Malcolm C. Philadelphia Turngemeinde Club.	₹QU	Deichmann, George	310	Andrews Edward C	3wu	Kressel, Gordon
3QX Sarrington, Roger W. Stewart Electric Co. Service, Charles A., jr. 3TV Slanford, Irving. Lesile, Malcolm C. 3WZ Swz Keller, Kenneth V. 3TK Shafford, Swz Keller, Kenneth V. 3TK geme C. 3WY Swz Keller, Kenneth V. 3TK gemeinde Club.	3037	Hall Robert 9	3718	Fell. David B.	3WV	Becker, Frank F.
3QX Sarrington, Roger W. Stewart Electric Co. Service, Charles A., jr. 3TV Slanford, Irving. Lesile, Malcolm C. 3WZ Swz Keller, Kenneth V. 3TK Shafford, Swz Keller, Kenneth V. 3TK geme C. 3WY Swz Keller, Kenneth V. 3TK gemeinde Club.	30 W	Harsch Lawrence P	3TS	Mandeville. Francis	3WW	Keller, Paul A.
3RA Messinger, Miles N. 3TX Philadelphia Turn- 3RB Lewis, Ellis, ir. gemeinde Club.	30 X	Rarrington, Roger W.	1	T.	3WX	Goebel, Eugene S.
3RA Messinger, Miles N. 3TX Philadelphia Turn- 3RB Lewis, Ellis, ir. gemeinde Club.	žŎΫ́	Stewart Electric Co.	3TU	McAnally, Charles C.	3WY	Basiord, Robert F.
3RA Messinger, Miles N. 3TX Philadelphia Turn- 3RB Lewis, Ellis, ir. gemeinde Club.	šõŽ		3TV	Blanford, Irving.	3WZ	Keiler, Kenneth W.
3RB   Lewis, Ellis, jr.   gemeinde Club.		1		Leslie, Malcolm C.	ll .	
3RB Lewis, Ellis, Ir. gemente Club.		Messinger, Miles N.	3TX	i'niiadeipnia Turn-		
SKU   Fellou, Euwaru I.   SII   Kione, suman 12.		Lewis, Ellis, jr.	2TV	Krone Julian E	ll.	
	orc	remon, Edward T.	)) 511	Little, valian 13.	ļi	1

#### FOURTH DISTRICT.

[Headquarters: Customhouse, Savannah, Ga. The fourth district comprises the States of North Carolina, South Carolina, Georgia, Florida, and the Territory of Porto Rico.]

## ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Pov
			K
4AN	Agnew, Robert D	219 E. Anderson St., Savannah, Ga	13
CU	Allen, Glenn L	8t. Petersburg, Fla. 8 Colonial St., Charleston, S. C. 738 4th Ave., N., St. Petersburg, Fla. 27 Candler St., Atlanta, Ga. 806 N. 4th St., Wilmington, N. C.	
CB	Allston, William F Ashley, Robert C Atkins, Charles A Avant, Marion C	8 Colonial St., Charleston, S. C	100
CZ DJ	Ashley, Robert C	738 4th Ave., N., St. Petersburg, Fla	170
DJ	Atkins, Charles A	27 Candler St., Atlanta, Ga	
BA	Avant, Marion C	806 N. 4th St., Wilmington, N. C	
BZ	Darber, Edward D		13
$\mathbf{D}\mathbf{X}$	Benning, Broughton W	50 Whiteford Ave., Atlanta, Ga.  803 W. Monroe St., Jacksonville, Fla.  534 5th St. N., St. Petersburg, Fla.  50 Logan Ave., Atlanta, Ga.  1304 Myrtle Ave., Jacksonville, Fla.  343 Rowland Court, St. Petersburg, Fla.	1.72
$_{ m DR}^{ m CQ}$	Blankenship, Elliott E	803 W. Monroe St., Jacksonville, Fla	
DR	Brantley, Lewis B. Breck, Charles. Breden, Henry W. Bryan, E. Harry. Buck, C. Howard. Carr, John M.	534 5th St. N., St. Petersburg, Fla	19
CX	Breck, Charles	50 Logan Ave., Atlanta, Ga	
CC	Breden, Henry W	1304 Myrtle Ave., Jacksonville, Fla	1
BQ CS	Bryan, E. Harry	343 Rowland Court, St. Petersburg, Fla	100
CS	Buck, C. Howard	St. Petersburg, Fla	-
CI	Church Analis W	821 1st Ave., N., St. Petersburg, Fla	N
DH		196 Chappel St., Atlanta, Ga	.15
CK	Coloney Paul P	1404 Prodon St. Prodontown Flo	1.3
DU D <b>T</b>	Clodfelter, Charles W Coloney, Paul R Cole, Edwin A	206 South Dokoto St. Tompo Flo	100
CE		343 Rowland Court, St. Petersburg, Fla.  St. Petersburg, Fla.  821 1st Ave., N., St. Petersburg, Fla.  196 Chappel St., Atlanta, Ga.  41 S. Pleasant St., Winston-Salem, N. C.  1404 Braden St., Bradentown, Fla.  806 South Dakota St., Tampa, Fla.  75 4th Ave., N., St. Petersburg, Fla.  717 S. Edison St. Tampa	-
CY	Cooper Fronk P	717 S. Edison St., Tampa, Fla	
BN	Cooper, Frank P. Cross, K. E. Dane, Seymour. Davis, Loren V. de Vore, Ross Allen	177 S. Edison St., Tampa, Fia. 1440 13th St., Miami, Fla. 1440 13th St., Miami, Fla. St. Petersburg, Fla. 10 Essie St., Atlanta, Ga. 230 Ponce de Leon Ave., Atlanta, Ga. 1424 Laura St., Jacksonville, Fla. 23 Prospect Pl. Atlanta Ga.	1
BF	Dane Seymour	1440 13th St Miami Fla	
AE	Davis Loren V	St Petershurg Fla	17
AM	de Vore Ross Allen	10 Essia St. Atlanta Ga	118
ED	Dobbins Walter E	230 Ponce de Leon Ave Atlanta Ga	100
AZ	Dobbins, Walter E. Dunk, Thomas R.	1424 Laura St. Jacksonville, Fla.	10
DS	Hidwards W Larow	32 Prospect Pl., Atlanta, Ga.	13
CD	Elston, Esmond B. Emory University Falks, Robert L.	32 Prospect Pl., Atlanta, Ga	
DD	Emory University	Oxford, Ga	
CN	Falks, Robert L	87 Mary St., Waycross, Ga	19
EB	Farrey, Owen J	Oxford, Ga	
AJ	Featherston, Joe A	Honea Path, S. C.	10
DL	Flowers Robert R	296 Rawson St., Atlanta, Ga	- 10
DA	Fogarty, John J. French, William A., 3d. Gerlach, Harry J. Gibson, Isaac A., jr. Gordon, Clarence M.	Nazareth, N. C.  Honea Path, S. C.  296 Rawson St., Atlanta, Ga.  707 Azeele St., Tampa, Fla.  107 S. 4th St., Wilmington, N. C.  22 Ormewood Ave., Atlanta, Ga.  403 E. Bolton St., Savannah, Ga.  Palmer College, De Funiak Springs, Fla.  298 Highland Ave., Atlanta, Ga.  687 N. Bouleyard, Atlanta, Ga.	19
CM	French, William A., 3d	107 S. 4th St., Wilmington, N. C	-
DM	Gerlach, Harry J	22 Ormewood Ave., Atlanta, Ga	E
AI	Gibson, Isaac A., jr	403 E. Bolton St., Savannah, Ga	33
AX	Gordon, Clarence M	Palmer College, De Funiak Springs, Fla	110
CP	Guimaraes, Apillo S	298 Highland Ave., Atlanta, Ga	03
AT	Hall, Marvin S	687 N. Boulevard, Atlanta, Ga	100
BR	Hamilton, George H Hawkins, Marion	209 W. Gordon St., Savannah, Ga	100
DG	Hawkins, Marion	14 Richmond Ave., Atlanta, Ga	100
DN	Hege, William C	1007 Patterson Ave., Winston-Salem, N. C	3.00
BS	Henshaw, Howard	Miami, Fla Roseland, Fla	100
CG CO	Holtzclaw, Ralph C	Roseland, Fla	
CO	Howald, George A	Decatur, Ga. 7 S. 4th St., Wilmington, N. C. 1105 Market St., Wilmington, N. C.	-
EA	Huggins, william C	1105 Market St., Wilmington, N. C.	-
AF	Tomos E Loslio	211 Lea St. Tompa Fla	
BI	Humphrey, Arthur L James, F. Leslie Johnstone, Henry P	1105 Market St., Wilmington, N. C. 211 Lee St., Tampa, Fla. 106 S. Edison Ave., Tampa, Fla. 117 5th St., St. Petersburg, Fla. 1140 Balsley St., Winston-Salem, N. C. 655 S. Pryor St., Atlanta, Ga. 11 Bates Ave., Kirkwood, Ga. 209 W. Gordon St., Savannah, Ga. 114 Hyde Park Pl., Tampa, Fla. 646 13th St., Winston-Salem, N. C.	
DF	Veen David W	117 5th St St Patarshurg Fla	
$_{ m CR}^{ m CF}$	Kojgor I Lee	1140 Balslay St. Winston-Salam N. C.	
BI	Joinstone, Henry F. Keen, David W. Keiger, J. Lee. Kreis, Joseph W., jr Kruger, Charles E. Leonard, Rudolph	655 S. Prvor St., Atlanta, Go	
AL	Kruger Charles E	11 Bates Ave Kirkwood, Ga	
BR	Leonard, Rudolph	209 W. Gordon St., Sayannah, Ga.	
DB	Lesley, John L	114 Hyde Park Pl., Tampa, Fla	
EF	Linville, Roy R	646 13th St., Winston-Salem, N. C.	
AS	Linville, Roy R	14 Hyde 1	
AG	Marsh, William A	R. F. D. No. 1, Miami, Fla	
BL	Mothocon Hugh M	Key Biscayne, Fla	
ATT	Matheson, Hugh M McIlvaine, Victor C Megee, Benjamin R	Cocoanut Grove, Fla	
CT	McIlvaine, Victor C	208 Verne St., Tampa, Fla	
BO	Megee, Benjamin R	63 Mansfield St., Atlanta, Ga	
AB	Meltaer Isador	Cocoanut Grove, Fla 208 Verne St., Tampa, Fla 63 Mansfield St., Atlanta, Ga. 627 Margaret St., Key West, Fla	
CL	Merriam, Francis F	College Park, Ga	
DE	Moore, Thomas H., jr	321 N. Spring St., Pensacola, Fla	
CJ	Morgan, Sidney S	1821 W. Broad St., Savannah, Ga	
DV	Nelson, Wayne M	Kernersville, N. C.	
BW	Newell, William F	828 Fifth Ave., N., St. Petersburg, Fla	
DK	Morgan, Sidney S  Nelson, Wayne M  Newell, William F  Patterson, Clifford F	1821 W. Broad St., Feinsacola, Fia. 1821 W. Broad St., Savannah, Ga. Kernersville, N. C. 282 Fifth Ave., N., St. Petersburg, Fla. 508 Vine St., Atlanta, Ga. 419 Duval St., Jacksonville, Fla.	
DC	Peer, Emmitt E	419 Duval St., Jacksonville, Fla	

## FOURTH DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Power.
	6/2	- Kill 2	Kw.
4AA	Pope, Wilbur B	197 Dearing St., Athens, Ga	1.0
4BT	Powell, Dwight E	715 E. Washington St., Orlando, Fla	. 8
4DY	Raffo, James H	Bay Shore Blyd., Tampa, Fla	
4AC	Rice, Elmer L	1702 E. Duval St., Jacksonville, Fla	1.0
4DI	Rothrock, William S	517 Ridge Ave., Winston-Salem, N. C	1.0
4BV	Saeger, Raymond A	Ankona, Fla	. 5
4AY	Sanders, Tye C	Ankona, Fla. 239 Woodward Ave., Atlanta, Ga. 156 N. 2d St., St. Petersburg, Fla.	1.0
4BU	Santas, Vern F	156 N. 2d St., St. Petersburg, Fla	. 5
4CA	Shahan, J. Hubert	1 315 W 5th St. Rome G9	1 1 (
4EC	Shumate, John R., jr	600 Clay St., Thomasville, Ga	1.0
4BK	Simons, Mayrant	Summerville, S. C	1.0
4CH	Smith, Ivy H	Covington, Ga	
4A0	Smoot, Lloyd D	1443 Laura St., Jacksonville, Fla	1.0
4DO	Stalnaker, Leo	6th Ave. and 33d St., Tampa, Fla	
4DZ	Stone, Hestor A	Lockhart, Fla. 109 E. Gwinnett St., Savannah, Ga	
4EE	Stubbs, William P	109 E. Gwinnett St., Savannah, Ga	
4AR	Summers, C. H., jr	501 E. Main St., Gainesville, Fla	
4DW	Swinson, Alton H	Little River, Fla. A. and M. College, West Raleigh, N. C.	
4DQ	Tabb, Vincent W	A. and M. College, West Raleigh, N. C.	1.0
4CW	Taft, Robert B	105 Rutledge Ave., Charleston, S. C	
4AD	Walker, James E	Milledgeville, Ga	1.0
4AW	Wall, Patrick H	258 Plant Ave., Tampa, Fla	1.0
4DP	Warner, George C	609 Swann Ave., Tampa, Fla	1.0
4BG	Watkins, C. E	Fort Pierce, Fla	1.0
4AG	West End Wireless Club	105 Lawton St., Atlanta, Ga	1
4BP	Whitaker, A. Klein	210 Stanton St., Bradentown, Fla	
4AK	Whiting, Charles T		
4AP	Whittaker, Alan D., jr		
4BH	Wikle, James R		
4BM	Williams, Emory C	Kirdwood, Ga	1.0

#### ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
4AA 4AD 4AE 4AF 4AG 4AH 4AI 4AN 4AP 4AR 4AR	Pope, Wilbur B. Walker, James E. Davis, Loren V. Humphrey, Arthur L. West End Wireless Club. Funk, Arthur. Gibson, Isaac A., jr. De Vore, Ross A. Agnew, Robert D. Whittaker, Alan D., jr. Marsh, William A. Summers, C. H., jr. Marmelstein, Chas. A., jr. Hall, M. Sheppard.	4BP 4BQ 4BR 4BS 4BT 4BU 4BW 4BW 4BY 4BZ 4CA 4CB 4CC 4CD 4CE	Whitaker, A. Klein. Bryan, E. H. Hamilton, Geo., and Leonard, Rudolph. Henshaw, H. Powell, Dwight E. Santas, Verne F. Saeger, Raymond. Newell, William F. Herzog, M. A. Barber, Edward D. Shahan, J. H. Allston, William F. Breden, Henry. Elston, E. B. Conn, Albert L.	4DD 4DE 4DF 4DH 4DH 4DI 4DJ 4DK 4DN 4DN 4DN 4DO 4DP 4DQ 4DR 4DS 4DT	Emory University. Moore, Thomas H., jr. Johnstone, Harry. Hawkins, Marion. Church, A. W. Rothrock, William S. Atkins, C. A. Patterson, Clifford F. Flowers, Robert B. Gerlach, H. J. Hege, William C. Stalnaker Brothers. Warner, George C., jr. Tabb, Vincent W. Brantley, Lewis. Edwards, Le Roy. Cole, E. A., jr.
4A U 4A X 4A Y	Matheson, Hugh M. Gordon, Clarence M. Sanders, Tye C.	4CF 4CG 4CH	Keen, David. Holtzclas, Ralph C. Smith, I. H.	4DU 4DV 4DW	Coloney, Paul R. Nelson, Wayne M. Swinson, Harold.
4BA 4BC 4BD 4BF 4BG 4BH 4BI 4BI 4BL 4BM 4BO	Avant, M. C. Frankiin, William. Pinkston. J. W., ir. Dane, Seymour. Watkins, C. E. Wikle, James, James, F. Leslie. Simons, Mayrant. Matheson, Hugh M. Williams, Emory C. Megee, B. R.	4CI 4CK 4CL 4CN 4CW 4CX 4CY 4CZ 4DA 4DB 4DC	Carr, J. M. Clodfelter, C. U. Merriam, F. F. Folks, Robert L. Taft, R. Breck, Charles. Cooper, E. P. Ashley, Robert C. Fogarty, John J. Lesley, J. Livingston. Peer, Emmitt E.	4DX 4DX 4DY 4DZ 4EA 4EB 4EC 4ED 4EE 4EF	Benning, B. W. Raffo, James. Stone, Hector A. Huggins, William C. Farrey, Owen J. Shumate, J. R., jr. Dobbins, W. E., jr. Stubbs, William P. Linville, Roy.

#### FIFTH DISTRICT.

[Headquarters: Customhouse, New Orleans, La. The fifth district comprises the States of Alabama, Mississippi, Louisiana, Texas, Tennessee, Arkansas, Oklahoma, New Mexico.]

## ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station,	Location of station.	Powe
			Kw.
5AC	Agricultural and Mechanical	College Station, Tex	0
5DX	College of Texas. Ancell, Tom B.	927 N. Marsalis Ave., Dallas, Tex. 735 N. Robinson St., Cleburne, Tex. 1428 N. 12th Ave., Birmingham, Ala 1906 Laurel St., Shreveport, La. 1529 Calliope St., New Orleans, La 5 Courtlandt Pl., Houston, Tex. 507 N. 14 St. Temple, Tex.	1
$5\mathrm{DH}$	Andress, Max. Ansley, Hewlette L.	735 N. Robinson St., Cleburne, Tex	
5EH	Ansley, Hewlette L	1428 N. 12th Ave., Birmingham, Ala	
5AJ 5BD	Antony, Willie E Asdorin, Levon	1906 Laurel St., Shreveport, La	1
5ED	Autry James L. ir	5 Courtlandt Pl Houston, Tex	1
5EF	Autry, James L., jr. Baker, Charles M Barr, Charles S	507 N. 1st St., Temple, Tex. 327 S. Parkway, Memphis, Tenn. St. Paul's College, Covington, La.	
5DG	Barr, Charles S	327 S. Parkway, Memphis, Tenn	1
5EQ 5CS	Barre, Martin	St. Paul's College, Covington, La Orange, Tex	- 500
5BF	Beauchamp, Fred	Orange, Tex	13
5AF	Berger, Carl G F	1012 Kerlerec St., New Orleans, La. 217 E. Commerce St., Altus, Okla. 1212 Prairie Ave., Houston, Tex. 1472 N. Rocheblave St., New Orleans, La.	100
5CO	Bowling, James A	1212 Prairie Ave., Houston, Tex	149
5DW	Breaux, Oscar W	1472 N. Rocheblave St., New Orleans, La	
5DF	Brooks, Junius B	Las Cruces, N. Mex	1928
5BW 5AM	Brownell Harold S	Edgewood Birmingham, Ala	10
5BP	Barre, Martin Beauchamp, Fred Behre, Joseph C Berger, Carl G. F Bowling, James A Breaux, Oscar W Brooks, Junius B Brown, Max T Brownell, Harold S Butcher, Cecil F Caine, Irving D Campbell, Gregory D Carrie, Robert G	Las Cruces, N. Mex.  1017 Cumberland St., Little Rock, Ark.  Edgewood, Birmingham, Ala.  224 W. 12th St., Dallas, Tex.  2211 Avenue H, Ensley, Ala.	- 115
5DR	Caine, Irving D	2211 Avenue H, Ensley, Ala	
5BQ	Campbell, Gregory D	Beeville, Tex	100
5EB	Carrie, Robert G	2211 Avenue H, Ensley, Ala. Beeville, Tex	
5CQ 5CT	Casey, Robert H. Churchill, Charles W. Clayton, John M.	Coldwall Tox	
5BV	Clayton, John M	1301 Welch St., Little Rock, Ark	
5CR	Cochran, George D	Caldwell, Tex. 1301 Welch St., Little Rock, Ark. 2019 Clarendon Ave., Bessemer, Ala. 1515 Linwood Blvd., Oklahoma City, Okla.	199
5DZ	Cole, Harry B. Coleman, Jess B. Collins, William A.	1515 Linwood Blvd., Oklahoma City, Okla	
5DK	Coleman, Jess B	811 17th St., Temple, Tex	100
5DN	Collins, William A	811 17th St., Temple, Tex 328 Arabella St., New Orleans, La 524 Jackson St., Starkville, Miss. 206 S. Sth St., Pratt City, Ala 1516 S. 12th Ave., Birmingham, Ala. 350 Selma St., Mobile, Ala. 1205 N. 9th St., Waco, Tex 5918 Laurel St., New Orleans, La. 1044 City Park Ave., New Orleans, La. 535 Proctor St. Waco, Tex	
5CK 5EJ	Cox, Houston A	206 S 8th St Pratt City. Ala	
5AK	Craven, William M	1516 S. 12th Ave., Birmingham, Ala	
5BR	Craig, P. W. Craven, William M. Curtis, Ernest M.	350 Selma St., Mobile, Ala	-35
$5\mathrm{AU}$	Darwin, Tyler Dawty, Albert de Ben, Hubert E Deeley, Paul M Dibble, George B	1205 N. 9th St., Waco, Tex	-
5EM	Dawty, Albert	1044 City, Park Ave. New Orleans, La	
5BM 5AA	Deeley Paul M	535 Proctor St. Waco, Tex	
5CG	Dibble, George B	112 Martha St., Montgomery, Ala	
$5\mathrm{DY}$	Downing, Roswell B Dye, Marvin M	727 E. 6th St., Oklahoma City, Okla	
5BJ	Dye, Marvin M	3107 Lee St., Dallas, Tex	
5DU	Emerson, Bennett. Ernest, Walter C., jr. Felsenthal, Sonnel J. Fitzgibbon, Rodger K.	110 St Stayons Ava Mobile Ala	1
5DE 5AT	Felsonthal Sonnel J	303 Oak St. El Dorado, Ark	1
5CL	Fitzgibbon, Rodger K	2002 Avenue P, Galveston, Tex	173
5BO	Floyd, Freston M., Jr	213 E. Blvd., Baton Rouge, La	- 1
5E.	Fort, Fred A	2222 Portland Ave., Shreveport, La	
$^{5\mathrm{DP}}_{5\mathrm{AH}}$	Geren, A. Blanchard Gillette, Jack	Purcell Okla	
5AQ	Goldstein, Henry R	1044 City Park Ave., New Orleans, La 535 Proctor St., Waco, Tex 112 Martha St., Montgomery, Ala 727 E. 6th St., Oklahoma City, Okla 3107 Lee St., Dallas, Tex 3730 Wendelkin St., Dallas, Tex 3730 Wendelkin St., Dallas, Tex 119 St. Stevens Ave., Mobile, Ala 303 Oak St., El Dorado, Ark 2002 Avenue P., Galveston, Tex 213 E. Blvd., Baton Rouge, La 2222 Portland Ave., Shreveport, La 1815 W. Gary St., Shreveport, La 1815 Octavia St., New Orleans, La 300 E. Main St., Starkville, Miss 15 W. 10th St., Oklahoma City, Okla Franklinton, La Beeville, Tex	1 8
5AS	Goldstein, Henry R. Goodman, Louis N. Gray, W. Parker. Greenlaw, Paul E.	300 E. Main St., Starkville, Miss	
5CJ	Gray, W. Parker	15 W. 10th St., Oklahoma City, Okla	
5BB	Greenlaw, Paul E	Franklinton, La	111
5AY 5DI	Hall, Henry Hanz, Harry W Harrell, David, jr	Beeville, Tex. 310 Bridge St., New Braunfels, Tex.	
5DD	Harrell, David, ir	1010 Guadalupe St., Austin, Tex	
5BI	Harrison, Jackson W	800 Highland Ave., Montgomery, Ala	
5EN	Harrison, W. Mare	1003 Elgin Ave., Muskogee, Okla	
5CX 5ER	Holland, Jesse W	200 Cayoga St. New Orleans La	
5EG	Harrisn, Jackson W Harrison, Jackson W Harrison, W. Ma^e Holland, Jesse W Holmes, Wesley S Hudson, Edward M Hunt, Martin L Labansen, Lohn ir	608 W. 7th St. Austin. Tex	
5DV	Hunt, Martin L	Woodrow St., Dallas, Tex.	
5AG		Lafayette Ave and Miro St., New Orleans, La	
5EI	Kelly, Paul R King, William J	3707 Junius St., Dallas, Tex	
5CI	King, William J	310 Bridge St., New Braunfels, Tex 1010 Guadalupe St., Austin, Tex 800 Highland Ave., Montgomery, Ala 1003 Elgin Ave., Muskogee, Okla 406 Granbury St., Cleburne, Tex 209 Gayoso St., New Orleans, La. 608 W. 7th St., Austin, Tex Woodrow St., Dallas, Tex. Lafayette Ave and Miro St., New Orleans, La. 3707 Junius St., Dallas, Tex. 462 Pine St., New Orleans, La 18 Terrell St., Mobile, Ala. 1103 Gibson St., Muskogee, Okla. 911 Fremont Ave., Muskogee, Okla.	
5CM 5AI	Kirchner, Otto E	1103 Gibson St. Muskogee Okla	
5EK	Hirsh, Leon	911 Fremont Ave., Muskogee, Okla	
5CZ	Jones, Burle R Hirsh, Leon Leroy, Louis Leroy, Louis Leroy, Louis	Memphis, Tenn 1005 Rayner Ave., Memphis, Tenn Franklinton, La 615 S. Perry St., Montgomery, Ala.	
5BK	Leroy, Louis	1005 Rayner Ave., Memphis, Tenn	
5AV	Macke, William, jr		

## RADIO STATIONS OF THE UNITED STATES.

## AMATEUR RADIO STATIONS-Continued.

## FIFTH DISTRICT—Continued.

#### ALPHABETICALLY BY OWNERS OF STATIONS.—Continued.

Call signal.	Owner of station.	Location of station.	Power.
E CO			Kw.
5BX	Martin, George W	209 S. Edgefield Ave., Dallas, Tex	1.0
5CV	Martin, Roy	100 W. Lampkin St., Starkville, Miss	
5EA	McDonnell, J. S., jr	3304 8th Ave., Little Rock, Ark	
5CI	McKelvey, Walter G	807 Elgin St., Muskogee, Okla.	
5BS	McLain, Robert M	250 Walker St., Huntsville, Ala	
5AO	Mercier, Walter H	1640 Carrollton Ave., New Orleans, La	
5AN	Milam, Monroe W	603 N. 4th St., Waco, Tex	
5CU	Miller, Harold L	1012 Government St., Mobile, Ala	:
5DA	Mitchell, Erwin H	1012 Government St., Mobile, Ala	:
5AR	Moore, J. Walter	317 Jackson Ave., El Dorado, Ark	
5CP	Moore, Frank C	7509 St. Charles Ave., New Orleans, La	1.
5EO	Mottashed, Marvin H	3126 Lillian St., Shreveport, La	
5DL	Mount, Robert H	Pineville, La.	:
5BH	Nobe, Harold G	402 Nashville Ave., New Orleans, La	
5CB	Nelson, Paul E	1012 S. 18th St., Fort Smith, Ark	1.
5BG	Parkes, Thomas L	2411 Kensington St., Nashville, Tenn	
5CE	Preis, Robert J	4433 S. Rampart St., New Orleans, La	
5DT	Reeves, Ben	2822 Turney Ave., Dallas, Tex.	:
5DM	Reid, Kenneth M	1001 Columbus Ave., Muskogee, Okla	:
5EC	Reymond, Dalton S	442 N. Boulevard, Baton Rouge, La	
5BC	Reynolds, Gordon P., jr	906 Arabella St., New O:leans, La	
5DJ	Richard, Charles L	1004 Government St., Mobile, Ala	
5AD	Rorshach, Harold E	619 North E St., Muskogee, Okla.	1.
5BY	Sams, Ernest E	508 Market St., Muskogee, Okla	-:
5DC	Sanders, W. Currey	674 Topeka St., Shreveport, La	1.
5BT	Selby, Clarence M	1163 Locust St., Muskogee, Okla	
5AX	Simmons, Dorr R	3134 Lilian St., Shreveport, La	1.
5EL	Smith, Leo H	3161 Fetzer St., Shreveport, La	
5AE	Snarr, Kenneth A	1200 S. 10th St., Fort Smith, Ark	
5AB	Steddom, A. Henry	1524 W. 9th St., Oklahoma City, Okla	1.
5DQ	Stanton, Roy	1002 Cedar St., Bonham, Tex	
5BU	Sweetman, Frank M	930 N. 11th St., Waco, Tex	
5AP	Thompson, Vance M	267 Pasadena Pl., Memphis, Tenn	1.
5AL	Tilley, Wesley H	303 E. 10th St., Austin, Tex	
5CD	Tisdel, William L	814 W. Okmulgee Ave., Muskogee, Okla	
5BE	Tonahill, Maurice	714 S. 8th St., Waco, Tex	
5BA	Toups, Roy N	1512 Ursuline St., New Orleans, La	
5BZ	Towle, Amos	203 S. George Ave., Mobile, Ala	
5CW	Townsley, William L., jr	35 S. Cooper St., Memphis, Tenn	1.
5CF	Uhalt, William J. and Joseph H.	5933 Constance St., New Orleans, La	
5CY	Ward, Robert P	233 Orchard St., Georgetown, Tex	1.
5CA	Wilson, Harry T	898 Saxon Ave., Memphis, Tenn	
5DO	Wolover, William H	624 Eastside Blvd., Muskogee, Okla	
5DB	Wood, Ross	726 Speight St., Waco, Tex	
5CN	Worner, Urban D	1052 City Park Ave., New Orleans, La	

## ALPHABETICALLY BY CALL SIGNALS.

oll Owner of station.
Floyd, Preston N., jr. Butcher, Cecil F. Campbell, Gregory. Selby, Clarence M. V Clayton, John M. X Martin, George W. Z Towle, Amos.  B Nelson, Paul E. C King, Wm. Julian. Prels, Robert J. Uhalt, Wm. J. H Hecker, Joseph L. I McKelvey, Walter G. J Gray, W. Parker. Cox, Houston A. Fitzgibbon, Rodger K. N Worner, Urban D.
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#### FIFTH DISTRICT-Continued.

## ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
5CO 5CP 5CR 5CR 5CS 5CT 5CU 5CY 5CY 5CZ 5DA 5DB 5DDC 5DDE 5DF 5DG	Bowling, James A. Ritker, Melvin. Cochran, Geo. D. Beauchamp, Fred. Churchill, Chas. Wm. Miller, Harold L. Townsley, William Lloyd, Jr. Holland, Jesse W. Ward, Robert P. Leroy, Louis. Mitchell, Erwin H. Wood, Roes. Sanders, William C. Harrel, David, Jr. Ernest, Walter C., jr. Brooks, Junius B. Barr, Charles Sevier.	5DH 5DI 5DI 5DL 5DK 5DL 5DN 5DN 5DO 5DP 5DR 5DT 5DU 5DV 5DV 5DX 5DX	Andress, Max. Hanz, Harry W. Richard, Chas. Lee. Coleman, Jess B. Mount, Robert H. Reid, Kenneth M. Collins, Wm. A. Wolovwe, Wm. H. Geron, A. Blanchard. Stanton, Roy. Caine, Irving D. Reeves, Ben. Emerson, Bennett. Hunt, Martin L. Breaux, Oscar W. Ancell, Tom B. Downing, Roswell B. Cole, Harry B.	5E A 5EB 5EC 5EC 5EF 5EGH 5EL 5EK 5EEN 5EO 5EP 5EP 5EP	McDonnell, J. E., jr. Carrie, Robert G. Reymond, Dalton S. Autry, James, jr. Baker, Charles M. Hudson, Edward M. Ansley, H. L. Craig, P. W. Hirsh, Leon. Smith, Leo H. Dowty, Albert. Harrison, Wm. Mace. Mottashed, Marvin H. Fort, Fred A. Barre, Rev. Martin. Holmes, Wesley S.

#### SIXTH DISTRICT.

[Headquarters: Customhouse, San Francisco, Cal. The sixth district comprises the States of California, Nevada, Utah, Arizona, and the Territory of Hawaii.]

#### ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power
05.5			Kw.
6CB	Abbott, Clare C	4728 S. Western Ave., Los Angeles, Cal	1.0
6RQ	Abrahamson, Ray	4220 California St., San Francisco, Cal	
60A	Adams, Eugene R	Mountain View, Cal	
6PF	Allen, Preston D	1410 West St., Oakland, Cal	1.
6OP	Altland, Comer P	662 Clayton St., San Francisco, Cal	
6ARC	Anderson, Andrew	25 Brazil St., San Francisco, Cal	
6CV	Anderson, Donald S. C	154 Texas St., Redlands, Cal	
6SW	Anderson, Elroy E	80 Barson St., Santa Cruz, Cal	
6MQ	Anderson, Sante H	Mayfield, Cal	1.0
6AX	Anderson, William A	Mayfield, Cal	
6IS	Anderson, William A Andrews, Carl	532 Hill St., Long Beach, Cal.	
6GA	Andrews, Gaylerd	4734 Shattuck Ave., Oakland, Cal.	-
6KY	Andrews, Harold S	2221 W. Jefferson St., Los Angeles, Cal	
6GU	Anzini, Daniel I	Mountain View, Cal	
6BQ.	Arbing, Bartley	353 S. 10th St., San Jose, Cal.	
6HO	Ardenyi, William A	41 Greenbank Ave., Piedmont, Cal.	
6FA	Arnberger, Frank, jr	3230 Garfield Ave., Alameda, Cal.	1
6UA	Armberger, Frank, Jr		
6AA	Asadoorian, Theodore N	1205 Garfield Ave., Pasadena, Cal	
6OV	Aster, Alvin K	910 Chestnut St., Alameda, Cal	
	Atkins, Carl	145 N. Hancock St., Los Angeles, Cal	
6IC	Austin, Russel F	210 3d St., Riverside, Cal	
6NY	Bagley, William C	615 Johnson St., Santa Rosa, Cal	
6QX	Baird, Maxfield A	913 Main St., Corona, Cal	
6LR	Baker, Jesse E	2913 Lorina St., Berkeley, Cal 1006 N. Main St., Napa, Cal	1.
6DV	Bales, Edward M	1006 N. Main St., Napa, Cal	
6RB	Barbagelata, Russell	604 42d St., Oakland, Cal	
6AO	Bargar, Avery E	Lawndale, Cal	
6QL	Barker, Waldo W	Lawndale, Cal 331 Lighthouse Ave., Pacific Grove, Cal	
6PX	Barlow, Roy	4219 Morgan Ave., Los Angeles, Cal	1.
$6\mathrm{TU}$	Barnett, Thomas T	384-B Capp St., San Francisco, Cal	
6FJ	Barnum, Coit L	9034 Hillside Ave., Oakland, Cal	
6ID	Barton, Harry	437 Austin Ave., San Francisco, Cal 19 Crystal Springs Rd., San Mateo, Cal	
6LB	Barton, Larry J	19 Crystal Springs Rd., San Mateo, Cal.	1.
6CB	Bascom, Carleton V	1020 E. 27th St., Los Angeles, Cal	
6IB	Bauchou, Leon J	Mayfield, Cal	
6FG	Bauman, Warren C	New Castle Cal	
6EB	Bazzini, Emil M. H	New Castle, Cal 2734 Gough St., San Francisco, Cal	
6AAP	Beal, Ira A	Campbell, Cal	
6AJ	Bean, James	755 University Ave., San Jose, Cal	
6ON	Becker, Peter J.	2722 Harvard Blvd., Los Angeles, Cal.	
6NR	Belden, Marion	21 4th Ct Conto Dose Col	
6CU		831 4th St., Santa Rosa, Cal.	
000	Bell, Albert E	750 Summit Ave., Pasadena, Cal	1.

#### SIXTH DISTRICT—Coutinued.

Call ignal.	Owner of station.	Location of station.	Power
			Kw.
VL	Bell, Oran M	453 Isabel St., Los Angeles, Cal	0.
SAM	Benn, Julius A	921 Haight St., San Francisco, Cal	
AAR	Benn, Julius A. Bennett, Dudley W. Beraldo, Dewey. Berringer, Hall. Bertin, Edwin.	453 Isabel St., Los Angeles, Cal. 921 Haight St., San Francisco, Cal. Santa Cruz, Cal. Avalon, Cal.	
WE WZ	Beraido, Dewey	6 Arundel Rd., Burlingame, Cal	1.
EW	Bertin Edwin	9 Artinder Rd., Burlingame, Cal. 917 Ave. A, Coronado, Cal. 2500 Elm Ave., Long Beach, Cal. 3914 3d St., San Diego, Cal. R. F. D. No. 1, Whittier, Cal. Berkley, Cal. Colfax, Cal.	1.
BL	Betterley, Jack A Bevitt, Edwin R Bickel, John E Biddle, Charles J Billhimer, Samuel J	2500 Elm Ave., Long Beach, Cal.	/.
ABM	Bevitt, Edwin R	3914 3d St., San Diego, Cal	
WJ BEF	Bickel, John E	R. F. D. No. 1, Whittier, Cal	1.
EF	Biddle, Charles J	Berkley, Cal	
JD EE	Binney, John	4050 Brighton Ave. Los Angeles Cal	1.
BE	Birkeland, Andrew	4050 Brighton Ave., Los Angeles, Cal. 22 Fairmount St., San Francisco, Cal.	1
UD	Bitz, Vernice M	825 W. 53d St., Los Angeles, Cal	1
VH SAAW	Bitz, Vernice M	1606 W. 50th St., Los Angeles, Cal	
BAAW	Blauvelt, Frank E Blodgett, Harry O Boehme, Herbert L Bolton, Harold B	466 E. California St., Pasadena, Cal	
TG	Blodgett, Harry O	1953 Bonsallo Ave., Los Angeles, Cal	1
DA DA	Bolton Harold B	4200 Judeh St. San Francisco Cal	1
KC	Bolton, Herbert J	417 Park View St., Los Angeles, Cal.	
FY	Bonar, Perry	837 4th St., Santa Rosa, Cal	
HO	Bonar, Perry Bonham, Carlton L	22 Fairmount St., San Francisco, Cal.  825 W. 53d St., Los Angeles, Cal.  1606 W. 50th St., Los Angeles, Cal.  466 E. California St., Pasadena, Cal.  1933 Bonsallo Ave., Los Angeles, Cal.  1437 6th St., Santa Monica, Cal.  1430 Judah St., San Francisco, Cal.  417 Park View St., Los Angeles, Cal.  837 4th St., Santa Rosa, Cal.  R. F. D. No. 1, Linden, Cal.  2644 23d Ave., Oakland, Cal.  2110 Estrella St., Los Angeles, Cal.  222 Grand Blyd., San Mateo, Cal.  225 Mather St., Oakland, Cal.  1430 Vallejo St., San Francisco, Cal.  Marine Barracks, Mare Island, Cal.	
AH	Botts James	2644 23d Ave., Oakland, Cal	. 6
NN	Bowen, Walter E	2110 Estrella St., Los Angeles, Cal.	
BAL BRA	Brandís, Fred A	322 Grand Rlyd San Mateo Cal	1
SND	- Breck, F. Bon	285 Mather St., Oakland, Cal.	1
6ND 6KQ	Brennan, Ralph P	1430 Vallejo St., San Francisco, Cal	
BDP	Briare, William N., jr	Marine Barracks, Mare Island, Cal. 1038 Balboa St., San Francisco, Cal	
6GR	Brown, Clarence C	1038 Ralboa St. San Francisco Cal	
6WP	Brown, Norman C	Reno Power House, Reno, Nev	1
BPZ BASR	Brandts, Fred A Brandt, Robert L Breck, F. Bon. Brennan, Ralph P Briare, William N., jr. Brown, Clarence C Brown, Norman C. Browning, Samuel D Brundige, Lamont J. and	786 B St Hayword Col	1
SVS	Brundige, Lamont J. and Reginald B.	Reno Power House, Reno, Nev	
BRY	Bullard, Orlan K., jr Bumbaugh, Harold L	1655 10th St., San Diego, Cal	1
so	Runting Howard S	Lemon Grove, Cal. 109 Forest Ave., Pacific Grove, Cal. Conterville, Cal.	1
BJ	Bunting, Lawrence. Burgess, Charles W. Caldwell, Duncan K. Callero, Frank.	109 Forest Ave, Facilic Grove, Cal. Centerville, Cal. 506 N. Philadelphia St., Anaheim, Cal. 427 Crane Ave, Turlock, Cal. 7 Lisbon St., San Francisco, Cal. 124 W. Hazel St., Inglewood, Câl. 169 High St., Santa Cruz, Cal. 2515 Derby St., Berkeley, Cal. Monte Cresta Ave, and Kelton Court, Oakland, Cal. 427 S. Hunter St. Stockton Cal.	
LZ	Burgess, Charles W	506 N. Philadelphia St., Anaheim, Cal	
DZ	Caldwell, Duncan K	7 Lighen St. Sen Francisco Col	
SAFC SNX	Calvert Paul P	124 W Hazel St. Inglewood Cal	1
SCC	Calvert, Paul P. Canfield, Carleton E.	169 High St., Santa Cruz, Cal.	
BT	Cantelow, Elbridge M Capewell, Cebert E	2515 Derby St., Berkeley, Cal	
SAC	Capewell, Cebert E	Monte Cresta Ave. and Kelton Court, Oakland, Cal	
6JQ	Carroll, Lionel H	427 S. Hunter St., Stockton, Cal.	
FM	Carroll, Russell W	354 Perry St., Oakland, Cal	
BD	Carter, E. Stewart	622 W H St Colton Col	1
6NM 6VN	Carter, Relifieth L	101 Ralston St. Reno. Nev	1
6HE	Capewell, Cebert E. Carroll, Lionel H. Carroll, Russell W. Carter, E. Stewart. Carter, Kenneth L. Carter, Robert F. Castro, Morris. Chamberlain George E.	232 Lexington Ave., Rust, Cal	0.
6QJ	Chamberlain, George E	121 N. 6th St., Sawtelle, Cal	1
SQJ SIE	Chambers, James	427 Bank St., San Francisco, Cal	
6AP	Chase, John H	1323 Lemon St., Riverside, Cal	1
6QR		498 Palm Ava Burbank Cal	1
STZ SVM	Clark, Herbert Clark, James R. Clark, Jean H. Clark, John H. Clark, Paul U	578 16th St. Oakland, Cal	
6CE	Clark, James R	2318 Bryant St., San Francisco, Cal	
SB-	Clark, Jean H	1504 State St., San Diego, Cal	
6JP	Clark, John H	316 E. 55th St., Los Angeles, Cal	
BAU	Clark, Paul U	898 S. 8th St., San Jose, Cal.	1
6QF	Clewett Heber H	1002 S. Reservoir St., Pomona, Cal	
6QE 6RF	Closson, William	427 S. Hunter St., Stockton, Cal. 354 Perry St., Oakland, Cal. 1639 Formosa Ave., Los Angeles, Cal. 633 W. H St., Colton, Cal. 101 Ralston St., Reno, Nev 222 Lexington Ave., Rust, Cal. 121 N. 6th St., Sawtelle, Cal. 427 Bank St., San Francisco, Cal. 1323 Lemon St., Riverside, Cal. R. F. D. No. 4, Santa Ana, Cal. 426 Palm Ave., Burbank, Cal. 578 16th St., Oakland, Cal. 2318 Bryant St., San Francisco, Cal. 1504 State St., San Diego, Cal. 316 E. 55th St., Los Angeles, Cal. 898 S. 8th St., San Jose, Cal. 407 N. Milton Ave., Whittier, Cal. 1002 S. Reservoir St., Pomona, Cal. Orland, Cal.	
6MK	Coates, Walton L	3766 Chamcune Ave., East San Diego, Cal.	
BAAR	Collins, Wayne A	788 19th St., Oakland, Cal	
6LC	Comins, Frank L	634 Balboa St., San Francisco, Cal	
6LC 6CW 6OD	Clark, Paul U Clements, Floyd P Clewett, Heber H Closson, William Coates, Walton L Collins, Wayne A Comins, Frank L Cook, George W Cook, John A Cooksey, Clayborne D	208 27th St., Ugden, Utah	
OOD	Cooksey Clayborne D	1946 Rirch St. Los Angeles Col	
6LS 6DI	Cookson Howard A	361 14th Ave., San Francisco Cal	1
6GE	Cook, John A Cooksey, Clayborne D Cookson, Howard A Corpe, G. S Cosby, Mark B Cosgrove, Clarence E Cowles, John	Orland, Cal         3766 Chamcune Ave., East San Diego, Cal.         788 19th St., Oakland, Cal.         634 Balboa St., San Francisco, Cal.         208 27th St., Ogden, Utah         1504 Locust St., Long Beach, Cal.         1246 Birch St., Los Angeles, Cal.         361 14th Ave., San Francisco, Cal.         El Monte, Cal.         356 Hobart Ave., Los Angeles, Cal.	
COT	Coshy Mark B	356 Hobart Ave., Los Angeles, Cal.	
6CL		435 Hanover Ave., Oakland, Cal	

## SIXTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Pow
			Kw
6UP	Creswell, Frank, jr	831 W. 58th Pl., Los Angeles, Cal	1
6QI 6AW	Crissman, Robert J	617 S. Birch St., Santa Ana, Cal	
8AW		831 W. 58th Pl., Los Angeles, Cal. 617 S. Birch St., Santa Ana, Cal. R. F. D. No. 1, Long Beach, Cal. Santa Clara, Cal. 519 E. 9th St., Long Beach, Cal. 2907 Hillegass Ave., Berkeley, Cal. 121 E. 23d St., Los Angeles, Cal. Near Acampo, Cal. Chula Vista, Cal.	1
BNJ	Cunningham, Edward J	Santa Clara, Cal	
6CF	Delby William	2007 Hillarges Ave. Berkeley Col	
KM SQT	Dalton, Stuart P	121 E. 23d St. Los Angeles Cal	1
бМО	Dargitz, Jesse L	Near Acampo, Cal	1
6KN	Davidson, George A	Chula Vista, Cal	1
BDE	Davidson, James D	462 W. Grand Ave., Pomona, Cal	
6HY 6OI	Davidson, Merritt T	Acampo, Cai Chula Vista, Cal 462 W. Grand Ave., Pomona, Cal 1954 Hillcrest Rd., Hollywood, Cal 763 Oakland Ave., Pasadena, Cal 907 Valencia St., San Francisco, Cal Los Altos Cal	230
SUJ	Day Elwin C	907 Valencia St. San Francisco Cal	
FD	Deardorf, Francis H	Los Altos, Cal	1493
BRD	Deardorff, Ralph W	202 Cypress Ave., Santa Ana, Cal	- 13
SFN	Deetkin, Frederick I	1535 6th St., Alameda, Cal. 706 W. San Carlos St., San Jose, Cal. 2015–A Sacramento St., San Francisco, Cal.	
BAQ	De La Cruz, George	706 W. San Carlos St., San Jose, Cal.	1702
BAD BLK	Diamond Ray	Piedmont Park, Oakland, Cal	
SKA	Dickey Herbert A	122 Dracena Ave. Piedmont. Cal.	
SHD	Dicknow, Henry W	413 26th Ave., San Francisco, Cal	- 1
KL	Cunningham, Edward J Curtis, Burbank. Dalby, William Dalton, Stuart P Dargitz, Jesse L Davidson, George A Davidson, James D Davidson, Merritt T Dawson, J. Percy Day, Elwin C Deardorf, Francis H Deardorf, Francis H Deardorf, Francis H Deardorf, Ralph W Deetkin, Frederick I De La Cruz, George Diamond, Alfred Diamond, Algred Diamond, Ray Dickey, Herbert A Dicknow, Henry W Diehl, Fred. Dieterich, Martin	122 Dracena Ave., Piedmont, Cal. 413 26th Ave., San Francisco, Cal. 348 Coleridge St., San Francisco, Cal.	9 9 9
BRX	Dieterich, Martin	430 E. 12th St., Los Angeles, Cal	-10
STB SOK	Dietz, Irwin C	136 S. Griffin Ave., Los Angeles, Cal	.039
SOY	Dietz, Irwin C. Dillon, Lyle Dodson, Loyd O. Dogan, Kenneth Dow, Clifford J. Dowling, Thomas L. Downs, Robert F. Drath, Walter J. Duborg, George Duffey, Guy H. Duncan, Harold Dutton, Kingsley Ebert, Howard W. Eddy, Myron F. Edwards, Lewis W. Eiferle, Chris. F. Emmerton, Alfred	130 E. 12th St., Los Angeles, Cal   136 S. Griffin Ave., Los Angeles, Cal   137 S. Norton Ave., Los Angeles, Cal   1724 N. Chester St., Pasadena, Cal   1115 Cole St., San Francisco, Cal   115 Cole St., San Francisco, Cal   1	-7.20
KE	Dogan, Kenneth	1115 Cole St., San Francisco, Cal.	12
BARD	Dow, Clifford J	Rye, Cal	9 600
BTD	Dowling, Thomas L	1520 E. 17th St., Oakland, Cal	100
BRG BPO	Downs, Robert F	130 W. 1st St., San Diego, Cal	.533
SLQ	Duborg George	845 Sierra St. Rano, Nav	100
SDĞ	Duffey, Guy H	1622 W. 24th St. Los Angeles Cal	0.00
BNK	Duncan, Harold	131 W. Jefferson St., Los Angeles, Cal	1
3KD	Dutton, Kingsley	6439 Robles Ave., Los Angeles, Cal	100
SWX	Ebert, Howard W	1115 Cole St., San Francisco, Cal. Rye, Cal Rye, Cal 1520 E. 17th St., Oakland, Cal 130 W. 1st St., San Diego, Cal 682 34th St., Oakland, Cal 845 Sierra St., Reno, Nev. 1622 W. 24th St., Los Angeles, Cal 131 W. Jefferson St., Los Angeles, Cal 131 W. Jefferson St., Los Angeles, Cal 439 Robles Ave., Los Angeles, Cal 455 Orchard St., San Jose, Cal 1232 Alice St., Oakland, Cal 908 Wilshire Blvd., Sawtelle, Cal 3018 Boulevard Ave., Fruitville, Cal 167 S. 4th St., Sawtelle, Cal. 358 Lisbon St., San Francisco, Cal 114 Santa Clara St., Vallejo, Cal	20
SMU SSN	Edwards Lowis W	1232 Alice St., Uakiand, Cal	1518
EK	Eiferle Chris F	3018 Boulevard Ave. Fruitville Cal	133
STQ.	Emmerton, Alfred	167 S. 4th St., Sawtelle, Cal	
BALC	Frikeon Flywood C		-21
BLM	Erler, Robert J Espe, Oliver E Evans, Charles C	114½ Santa Clara St., Vallejo, Cal	
BDL BABO	Eyong Charles C	4825 Idoho St. San Diago Cal	-33
SAHE	Evans, Herbert	Lemon Grove, Cal	1 - 1
SFI	Eveleth Harlan A	2805 Russell St., Berkeley, Cal.	
SUY STH	Everharty, Laurence Fabian, Ernest	358 Lisbon St., San Francisco, Cal. 1144 Santa Clara St., Vallejo, Cal. 4326 S. Grand Ave., Los Angeles, Cal. 4835 Idaho St., San Diego, Cal. Lemon Grove, Cal. 2805 Russell St., Berkeley, Cal 254 N. Soto St., Los Angeles, Cal. 1368 20th Ave., San Francisco, Cal 3624 2d Ave., Los Angeles, Cal.	
TH	Fabian, Ernest	1368 20th Ave., San Francisco, Cal	
GWH GGD	Fabling, Walter D Fackrell, George O	3624 2d Ave., Los Angeles, Cal	1/1
RED	Fackfell, George O	Cooperstown, Cal. 1609 W. Lewis St., San Diego, Cal.	
BED BGF	Farish, Edward P. Farmer, Gordon.	Burbank, Cal	
3LT	Farolita, Dominic A	Burbank, Cal. 289 Chenery St., San Francisco, Cal.	
STR	Farmer, Gordon Farolita, Dominic A. Farrell, Raymond Farwell, I. Irving. Fassett, Lee Fenner, Paul R Ferrero, Henry D Ferrill, Herbert E Ferrill, William	9398 Pacific Ave Alameda Cal	100
SIF	Farwell, I. Irving	2230 9th St., Berkeley, Cal. 4326 Balboa St., San Francisco, Cal. 1338 Masonic Ave., San Francisco, Cal.	
BUV BET	Fassett, Lee	4320 Ballooa St., San Francisco, Cal	-43
SCO	Ferrero Henry D	43 Valleio St. Nana Cal	
BHV	Ferrill, Herbert E	43 Vallejo St., Napa, Cal. Bostonia, Cal.	- 61
SPP	Ferrill, William Fickas, Wilbur Finley, William E Fitzpatrick, Gerald H	El Cajon, Cal. 1035 E. 1st St., Santa Ana, Cal. 441 S. 5th St., San Jose, Cal. 2012 Pold St., San Diego, Cal.	38
BBZ	Fickas, Wilbur	1035 E. 1st St., Santa Ana, Cal	1-1
SQD SMF	Finley, William E	2012 Pold St., San Jose, Cal.	1176
SQH	Flaig. Philip F	43 Mizpah Ave. San Francisco Cal	69
SPE	Fleming, Robert P.	43 Mizpah Ave., San Francisco, Cal. 606 San Benito St., Los Angeles, Cal.	-
SSQ SWF	Fonseca, Arthur	2610 Valdez St., Oakland, Cal	130
SWF	Flaig, Philip F. Fleming, Robert P. Fonseca, Arthur. Ford, Walter B.	2610 Valdez St., Oakland, Cal	
BJF	Forsburg, Joe A	1734 Sonoma Ave., Berkeley, Cal	1
6FQ	Foster, Harold M	630 Culver St., Orange, Cal	
SEV	Foster, Lewis K	3452 16th St., San Francisco, Cal. 423½ E. 29th St., Los Angeles, Cal.	
6OD 6FV 6VG	Foulon, Fred Fowler, L. Deane	1027 6th St., Redlands, Cal.	
BNQ.	Francis, Ernest R. Frank, Walter H.	423 E. 29th St., LoS Angeles, Cal 1027 6th St., Redlands, Cal Mountain View, Cal. 465 18th St., San Diego, Cal Rio Vista, Cal. Larkspur, Cal	1
6FK	Frank, Walter H	465 18th St., San Diego, Cal.	-
6HN 6FX	Fredrichson, Clarence J	RIO VISTA CAL	1

## SIXTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power	
			Kw.	
6SF	Fuller, Sidney	1718 S. Main St., Los Angeles, Cal	0	
6PI	Furman, Oliver G	5528 Echo St., Los Angeles, Cal	1.	
6RM	Fuller, Sidney Furman, Oliver G Gabriel, Edward J	657 Guerrero St., San Francisco, Cal		
6PJ	Gale, Paul B	Lemon Grove, Cal		
6QU 6RW	Garrettson, Oliver	1718 S. Mail St., 108 Angeles, Cal. 5528 Echo St., Los Angeles, Cal. 657 Guerrero St., San Francisco, Cal. Lemon Grove, Cal. 911 Jane St., Los Angeles, Cal. 1960 Vista del Mar, Hollywood, Cal. Pomona, Cal. Point Richmond Cal.	:	
6UH	Garver, Oliver B	Pomona Cal	1.	
6NG	Gerlach, Leonard J Gibson, Walter L Gilbert, Phillip H	Point Richmond, Cal.	1.	
6NG 6US	Gibson, Walter L	Point Richmond, Cal. 2324 Dennison St., East Oakland, Cal	1.	
6AAG	Gilbert, Phillip H	387 W. 8th St., Pómona, Cal. 2715 4th St., Ocean Park, Cal. 2715 4th St., Ocean Park, Cal. 2715 N. Curtis Ave., Alhambra, Cal. 19 Grigsby Court, Napa, Cal. 404 S St., Eureka, Cal. 560 D St., San Rafael, Cal. 486 E. 49th St., Los Angeles, Cal. Stevens Creek Rd., San Jose, Cal. 221 E. Anderson St., Stockton, Cal. 317 E. 49th St., Los Angeles, Cal. 313 Lighthouse Ave., Monterey, Cal. 516 W. San Carlos St., San Jose, Cal. 554 5th St. San Diego, Cal.	1.	
6QK		2715 4th St., Ocean Park, Cal	1.	
6AAH	Godwin Merle H	19 Grigsby Court Nana Cal		
6BM 6VC 6NC	Gilstrap, L. Frederick Godwin, Merle H. Gottwald, Eugene A Gould, William S. Grates, John. Gray, Clifford L. Green, Alfred	404 S St., Eureka, Cal.		
BNC	Gould, William S	560 D St., San Rafael, Cal		
BBG	Grates, John	486 E. 49th St., Los Angeles, Cal		
6LP	Gray, Clifford L	Stevens Creek Rd., San Jose, Cal		
6AI	Green, Alfred Green, Carl V., jr Greene, Harry A	217 F 40th St. Los Angeles Cal	1.	
6AAK 6GC	Greene Harry A	313 Lighthouse Ave., Monterey, Cal	1.	
6AR		516 W. San Carlos St., San Jose, Cal		
6ME	Gregory, Marshall	554 5th St., San Diego, Cal		
6AEG 6LL	Greenquist, Elmer A Gregory, Marshall Griffin, Ellis J Griffith, William M	554 5th St., San Diego, Cal. East Auburn, Cal. 737 Shrader St., San Francisco, Cal.		
6LL		737 Shrader St., San Francisco, Cal	1.	
6IA 6DH	Griffiths, Walter M Grimes, W. Frank	1022 ISt St., Napa, Cal	1	
6GN	Grossnickle, Russell R.	103 N. Pasadena Ave., Pasadena, Cal. Lordsburg, Cal		
6IK	Grossnickle, Russell R Grotzinger, Clarence E			
6TL	Grow, Frank	232 Lake Shore Ter., Los Angeles, Cal. 745 W. San Fernando St., San Jose, Cal. 1218 N. 6th St., Redlands, Cal. 1638 Bancroft Way, Berkeley, Cal.	1	
6DN	Guidotti, William F	745 W. San Fernando St., San Jose, Cal		
6PU	Hamilton, Howard B	1218 N. 6th St., Redlands, Cal		
6PM	Hamilton, Howard B. Hamilton, Otto J. Hanchett, Robert J. Hankins, Marvin J.			
6RI 6KV	Hankins Marvin J	448 6th St., San Pedro, Cal.		
6HX		1238 W. 38th St., Los Angeles, Cal		
6TZ	Harmon, Orville A Harris, Howard D Hart, Cedric E	448 6th St., San Pedro, Cal 1238 W. 38th St., Los Angeles, Cal. 2742 35th Ave., Oakland, Cal Ogden High School, Ogden, Utah 718 6th Ave., Salt Lake City, Utah		
6AJA	Harris, Howard D	Ogden High School, Ogden, Utah	1	
6SL	Hart, Cedric E	718 6th Ave., Salt Lake City, Utan	1	
6HG 6CG	Hart, Gardner L Harty, Courtenay E	5167 S. Wilton Pl., Los Angeles, Cal		
6LD	Haskell, Charles G	128 W. 30th Ave., Los Angeles, Cal		
6OU	Hawley, George N	1257 Cypress Ave., Los Angeles, Cal		
6GK	Haskell, Charles G Hawley, George N. Hayden, Gordon L. Hayden, Jack	1456 C St., Eureka, Cal		
6JO	Hayden, Jack	246 N. 22d Ave., Los Angeles, Cal		
6IH	Hazieton, Raiph L	San Francisco Col		
6UK	Heaney Clarence M	374 92d Ave. San Francisco, Cal		
6AAC 6AT	Heer, Alphonsus A., ir	134 Marsh Ave., Reno, Nev		
6DB	Heitshusen, Dick	115 Hermina St., Anaheim, Cal	1	
6ABC	Hellikson, Vivian L	1230 W. 49th St., Los Angeles, Cal	1	
6UI	Helmer, Glenn	343 N. Comstock Ave., Whittler, Cal	1	
DAAB	Hemmenway, Clyde C	2014 F. Domon St. Los Angeles Cal		
6AAB 6CN 6PV	Heald's Business College. Heaney, Clarence M. Heer, Alphonsus A., jr. Heitshusen, Dick. Hellikson, Vivian L. Helmer, Glenn. Hemmenway, Clyde C. Hendrix, Charles F. Henn, Charles W. Henry, William J.	Ogden High School, Ogden, Utah. 718 6th Ave, Salt Lake City, Utah. 3785 Albatross St., San Diego, Cal. 5167 S. Wilton Pl., Los Angeles, Cal. 128 W. 30th Ave., Los Angeles, Cal. 128 W. 30th Ave., Los Angeles, Cal. 1257 Cypress Ave., Los Angeles, Cal. 1456 C St., Eureka, Cal. 246 N. 22d Ave., Los Angeles, Cal. 51 Pryce St., Santa Cruz, Cal. San Francisco, Cal. 374 22d Ave., San Francisco, Cal. 134 Marsh Ave., Reno, Nev. 115 Hermina St., Anaheim, Cal. 1230 W. 49th St., Los Angeles, Cal. 343 N. Comstock Ave., Whittier, Cal. 1407 Vermont St., San Francisco, Cal. 2214 E. Damon St., Los Angeles, Cal. 1468 47th Ave., San Francisco, Cal. 2097 W. 29th St., Los Angeles, Cal. 156 Bellefontaine St., Pasadena, Cal. 2905 S. Hoover St., Los Angeles, Cal. 1143 Formosa Ave., Hollywood, Cal. 808 Humboldt St., Santa Rosa, Cal. 1143 McKinley St., Los Angeles, Cal. 15144 Webster St., Oakland, Cal.		
6QS	Henry, William J	554 11th Ave., San Francisco, Cal.		
6QS 6NU	Heppenstall, Wilton L Herman, Edward W. Hibbard, Charles H., jr	2097 W. 29th St., Los Angeles, Cal		
6RR	Herman, Edward W	735 19th St., San Diego, Cal		
6DC	Hibbard, Charles H., jr	156 Bellefontaine St., Pasadena, Cal	1	
6FL 6CI	High, Freeman A., Jr	169 W Alvarado St. Pomona Cal	1	
6DM	Higgy Robert C	1143 Formosa Ave., Hollywood, Cal.	1	
HH	Hollingsworth, D. R.	808 Humboldt St., Santa Rosa, Cal		
6JG	Homand, James A	1423 McKinley St., Los Angeles, Cal		
6MI	Hooper, Herbert D	Sultana, Cal		
6EJ	Houtz, Eugene R	1544 Webster St., Oakland, Cal		
6SI	Huster Noble C	248 Main St., Hayward, Cal	1	
6TE 6JY	Hibbard, Charles H., jr. High, Freeman A., jr. Hillen, Russell W. Higgy, Robert C. Hollingsworth, D. R. Homand, James A. Hooper, Herbert D. Houtz, Eugene R. Hoyt, Leander L. Hueter, Noble G. Humphrey, Estil L.	San Fernando, Cal		
6HB	Hunt, Homer G.	1740 96th Ave., Oakland, Cal.		
6LH	Hunt, Lloyd F	824 W. 35th Pl., Los Angeles, Cal	. 1	
6IU	Hutchinson, Howard W	614 S. Brand Blvd., Glendale, Cal		
6LI 6FC	Isaacs, Louis R	1200 Regent St., Alameda, Cal		
6FC 6KF	Isnam, Carlton	San Fernando, Cal.   1740 96th Ave., Oakland, Cal.   824 W. 35th Pl., Los Angeles, Cal.   614 S. Brand Blvd., Glendale, Cal.   1200 Regent St., Alameda, Cal.   1323 96th Ave., Oakland, Cal.   8333 17th St., San Diego, Cal.   3427 30th St., San Diego, Cal.   1030 Delaware St., Berkeley, Cal.   1030 Delaware St., Ber		
6JK	Jennings John W	3427 30th St., San Diego, Cal.		
6SX	A ASSESSED A CATTLE AL SESSESSESSES	1 2000 70 1		

#### SIXTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
6TP	Johnson, Harold M	15 King St., San Jose, Cal	0.5
6GS	Johnson, Philip	475 California St., Pasadena, Cal	.5
6AEA		15 King St., San Jose, Cal. 475 California St., Pasadena, Cal. 414 Main St., Los Angeles, Cal.	. 5
6MY	Johnston, Robert. Jones, Alfred H. Jones, Ernest P.	734 K St., Eureka, Cal	.5
6MY 6GV 6KI	Jones, Alfred H	962 D Ave., Coronado, Cal	. 5
6MD	Jones, Ernest P	R. F. D., Auburn, Cal.	. 5
6MB 6SY	Jopson, Frank Josephs, Howard Kaufmann, Irwin L	1520 Webster St. Ookland Col	. 5
60M	Kanfmann Irwin I.	56 90th Ave Sen Francisco Cel	. 5
6UF	Kemn Thomas I	950 Atlantic Ave. Long Reach Cal	. 5
6RK	Kemp, Thomas J. Kelley, Roger M. Kemp, Victor H.	399 S. Wilson Ave. Pasadena Cal	. 0
6RK 6VK	Kemp, Victor H	803 E. 28th St., Los Angeles, Cal.	5
6CQ	Kemper, Horace I. Kern County High School. See Ludden, A. J. Kimm, George N	414 Main St., Los Angeles, Cal. 734 K St., Eureka, Cal. 962 D Ave., Coronado, Cal. R. F. D., Auburn, Cal. 323 S. 11th St., San Jose, Cal. 1520 Webster St., Oakland, Cal. 56 20th Ave., San Francisco, Cal. 9950 Atlantic Ave., Long Beach, Cal. 399 S. Wilson Ave., Pasadena, Cal. 803 E. 28th St., Los Angeles, Cal. 173½ Loma Drive, Los Angeles, Cal.	A 200
6Q.V	Kimm, George N.	2502 Q St., Bakersfield, Cal.	5
$_{ m 6VJ}^{ m 6QV}$	Kinsman, Joseph W Klahn, Leander Knight, James B	2502 Q St., Bakersfield, Cal. 3467 Arroyo Seco Ave., Los Angeles, Cal. 27 Chenery St., San Francisco, Cal. 125 Stanislaus Ave., Modesto, Cal. 418 Banks St., San Francisco, Cal. 2600 Wiltshire Blvd., Los Angeles, Cal. 1605 6th St., Coronado, Cal.	.5
6JJ	Klahn, Leander	27 Chenery St., San Francisco, Cal	.5
6JA 6G <b>T</b>	Knight, James B	125 Stanislaus Ave., Modesto, Cal	1.0
6GT	Knudsen, George	418 Banks St., San Francisco, Cal	
6JH	Koepfli, Joseph B	2600 Wiltshire Blvd., Los Angeles, Cal	1.0
6UE	Kramer, Augustus A	1605 6th St., Coronado, Cal	.5
6HA	Kreamer, John A., jr	222 W. 33d St., Los Angeles, Cai	.5
6V Y	Kreiss, Rudolph L	1062 Stannage Ave., Berkeley, Cal	1.0
6VY 6PL 6JC	Kreamer, John A., jr Kreiss, Rudolph L Kubias, Rudolph M Kulish, John J., jr	1605 6th St., Coronado, Cal. 222 W. 33d St., Los Angeles, Cai 1062 Stannage Ave., Berkeley, Cal. 457 Alta St., Redlands, Cal. Branham Rd., Campbell, Cal.	. 5
6OF	Kroman Robert	Nana Cal	.5
6L.Y	Kroman, RobertLadley, William A	Napa, Cal	.5
6BX	Lankston, J. M	Napa, Cal. Napa, Cal. 152 Ohio Ave., Sawtelle, Cal. 5332 Abbott Pl., Los Angeles, Cal. 2158 Woolman Ave., San Diego, Cal.	1.0
6OF 6LY 6BX 6DR	Lankston, J. M. Laverty, Finley B. Latta, Paul.	5332 Abbott Pl., Los Angeles, Cal.	.5
6PK	Latta, Paul.	2158 Woolman Ave., San Diego, Cal.	.5
6MW		2158 Woolman Ave., San Diego, Cal. Napa, Cal. 134 N. Johnstone St., Los Angeles, Cal. 1580 Grove St., San Francisco, Cal. 283 25th Ave., Los Angeles, Cal. 648 4th St., San Bernardino, Cal. 243 Bonflew Ave., San Francisco, Cal. 827 2d St., Santa Monica, Cal. 912 Indian Rock Ave., Berkeley, Cal. 85. Helena, Cal.	.5
6LG	Lee, George R	134 N. Johnstone St., Los Angeles, Cal	.5 .5 1.0
6TM	Lee, Howard R	1580 Grove St., San Francisco, Cal	1.0
6TM 6VO 6IZ	Laurisen, Albert M. Lee, George R. Lee, Howard R. Lee, John A. Leeper, Ernest W. Le Fevre, Eugene. Leigh, Philip P. Leland, Wallace H. Lewis Harrison E.	283 25th Ave., Los Angeles, Cal	1.0
61Z	Leeper, Ernest W	648 4th St., San Bernardino, Cal	1.0
6EL	Le Fevre, Eugene	243 Bonnew Ave., San Francisco, Cal	.5
6VF	Lolond Wallace H	019 Indian Rook Ave. Borksley Col	1.0
6WL 6IN	Lewelling Raymond	St Holong Col	1.0
6EC	Lewis, Harrison E	3299 Briggs Ave Alameda Cal	1.0
6LE	Lewis, Tony D	1054 Cotton St., Oakland, Cal	5
6HL	Lewis, Harrison E. Lewis, Tony D. Linhoff, Harold R.	417 Winona Ave., Pasadena, Cal.	.5
6UR	Link, Ralph L Linville, Charles R	1520 Annan Way, Los Angeles, Cal	.5
6AAJ	Linville, Charles R	307 N. Curtis Ave., Alhambra, Cal	.5
6JN	Livesay, J. Russell Logan, Hugh H	446 Palo Alto Ave., Palo Alto, Cal	.5
6MH	Logan, Hugh H	1519 Grammercy Pl., Los Angeles, Cal	1.0
6IF	Long Beach Polytechnic	912 Indian Rock Ave., Berkeley, Cal. St. Helena, Cal. 2299 Briggs Ave., Alameda, Cal. 1054 Cotton St., Oakland, Cal. 417 Winona Ave., Pasadena, Cal. 1520 Annan Way, Los Angeles, Cal. 307 N. Curtis Ave., Alhambra, Cal. 446 Palo Alto Ave., Palo Alto, Cal. 1519 Grammercy Pl., Los Angeles, Cal. 1932 Irving Ave., East Oakland, Cal.	1.000
BOV	High School. Long, Herman D	402 N Now 18th St. San Toga Cal	Desire.
6GX 6SJ	Lonez John	1645 S New Hampshire St. Los Angeles Cal	
6LO	Lopez, John Lory, C. S. Loudon, Donald F Lowell, Charles H., jr	402 N. New 18th St., San Jose, Cal. 1645 S. New Hampshire St., Los Angeles, Cal. 3841 7th St., San Diego, Cal. 3904 Ibis Court, San Diego, Cal. 1403 Martel Ave., Los Angeles, Cal. 1403 Martel Ave., Los Angeles, Cal. Bakersfield, Cal. 2320 Cedar St., Berkeley, Cal. 592 N. 17th St., San Jose, Cal. Huntington Drive, Los Angeles, Cal. 1141 Mendocino St., Altadena, Cal. 1954 S. Kingsley Drive, Los Angeles, Cal. 88 Peralta Ave., San Francisco, Cal. 392 Glorietta Blvd., Coronado, Cal. 405 E. Fremont St., Stockton, Cal. 1714 Harvard Blvd., Los Angeles, Cal. 3409 Grove St., Oakland, Cal. 233 Hawthorne St., San Francisco, Cal. 29 Saturn St., San Francisco, Cal. Saratoga, Cal. 225 W. Brookes Ave., San Diego, Cal.	
6VD	Loudon, Donald F	3904 Ibis Court, San Diego, Cal.	
6VD 6CA	Lowell, Charles H., ir.	1403 Martel Ave., Los Angeles, Cal	
6GZ	Ludden, A. J. Ludlow, William B. Lundy, Elmer C. Lynde, Laurence F. Lyon, John D. McFarlane, Thomas R. Mackin, George B.	Bakersfield, Cal.	
6WM 6CY	Ludlow, William B	2320 Cedar St., Berkeley, Cal	
6CY	Lundy, Elmer C	592 N. 17th St., San Jose, Cal	
6SE	Lynde, Laurence F	Huntington Drive, Los Angeles, Cal	
6AAL	Lyon, John D.	1141 Mendocino St., Altadena, Cal	
6MD	McFarlane, Thomas R	954 S. Kingsley Drive, Los Angeles, Cal	
6GM 6MV	Mackin, George R MacMullen, Gerald	88 Peralla Ave., San Francisco, Cal	
6SH	Macquarrie, Harold C	405 F. Frament St. Steelston Col	
6MX	Macurda, Malcolm	1714 Harvard Blvd Los Angeles Cal	1.
6MN	Maher, Edward T	3409 Grove St., Oakland, Cal	1.
6IL	Mahler, James J., ir	233 Hawthorne St., San Diego, Cal	
6AAD	Mahn, Erich G	29 Saturn St., San Francisco, Cal.	183
6GG	Malarin, Henry J	719 Page St., San Francisco, Cal.	
6WT	Mann, Frank W	Saratoga, Cal	
6IP	Maher, Edward T. Mahler, James J., jr. Mahn, Erich G. Malarin, Henry J. Mann, Frank W. Marsh, Hallan N. Martin, Androw W. jr.	1225 W. Brookes Ave., San Diego, Cal	Contract of
60X 6KS	Martin, Andrew W., jr Martin, Neal D	894 Waller St., San Francisco, Cal	
6KS	Martin, Neal D Martinelli, Ennio	All Page St., San Francisco, Cal. Saratoga, Cal. 1225 W. Brookes Ave., San Diego, Cal. 894 Waller St., San Francisco, Cal. 2018 Delaware St., Berkeley, Cal. 953 Mission Ave., San Rafael, Cal. 7364 Hollywood Blvd., Los Angeles, Cal.	1.
6WD			

## SIXTH DISTRICT-Continued.

#### ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Powe	
			Kw.	
6DY	Mattox, Harry D	260 W. 11th St., Pomona, Cal	1	
6BB 6UW	May, Howard E	Orosi, Cal		
BUW	May, Howard E Maynes, Walter W McArdle, James J	Orosi, Cal 1903 Bonita Ave., Berkeley, Cal 263 Day St., San Francisco, Cal 1413 16th St., Oakland, Cal		
6MS	McArdle, James J	263 Day St., San Francisco, Cal		
вJМ	McCargar, J. L	1413 16th St., Oakland, Cal	1	
6GH	McCarthy, John J. McCreery, Maurice. McDonald, Byron C.	3913 20th St., San Francisco, Cal		
BIX	McDonald Byron C	85 S Fl Malino St Passdone Col	/ 1	
BPJ BTO	McFern, Arthur L	1652 Rerendo St. Los Angeles Cal	1	
вмс	McGown, Dudley B	700 W. 32d St., Los Angeles, Cal.  55 S. El Molino St., Pasadena, Cal.  1652 Berendo St., Los Angeles, Cal.  1247 47th Ave., San Francisco, Cal.  55 Dame St., San Francisco, Cal.  2900 Oregon St., Los Angeles, Cal.  249 Bixel St., Los Angeles, Cal.  249 Bixel St., Los Angeles, Cal.  231 Hollywood Blvd., Los Angeles, Cal.  Walnut Grove, Cal.  4416 23d St., San Francisco, Cal.  252 Clinton St., Pasadena, Cal.  804 40th St., Oakland, Cal.		
BEM	McGown, Dudley B McGuire, Edward	55 Dame St., San Francisco, Cal		
BEZ	McHolland Raymond	2900 Oregon St., Los Angeles, Cal	1	
BHJ	McIntosh, Harold S	249 Bixel St., Los Angeles, Cal	1	
BABG	McIntosh, Harold S. McLaren, Alfred. Mead, John H.	534 W. 49th St., Los Angeles, Cal		
6JE	Mead, John H	7231 Hollywood Blvd., Los Angeles, Cal		
BKU BBN	Mealer, Loyal D	4416 22d St. Son Francisco Col	1	
6DJ	Mentzer, Leonard	252 Clinton St. Pasadona Cal	1	
6JW	Meyer, Joseph II	804 40th St., Oakland, Cal		
$\mathbf{6EU}$	Michelson, Malvin ()	530 Franklin St., Napa, Cal.		
3QY 3AK	Miley, Jerome	585 Bellefontaine Ave., Pasadena, Cal		
BAK	Miley, Jerome. Miller, Albert. Miller, Elmer.	530 Franklin St., Napa, Cal. 585 Bellefontaine Ave., Pasadena, Cal. 121 E. 39th Ave., Los Angeles, Cal. 1346 La Brea St., Los Angeles, Cal.		
3EN	Miller, Elmer	1346 La Brea St., Los Angeles, Cal		
6KP 6RJ	Miller, Murray R	15 E. Central Ave., Redlands, Cal	]	
RKT	Miller, Elmer Miller, Murray R Miller, Roy A Miller, Walter G Mills, Eldon C Mills, Harry D Mosking Parently E	18 E. Central Ave., Kediands, Cal. R. F. D., Jone, Cal. 18 Hester Ave., San Jose, Cal. 425 Orchard St., San Jose, Cal. 245 Lime St., Riverside, Cal. 63 N. State St., Murray, Utah 426 29th St., Oakland, Cal. 2303 Pacific Ave., Alameda, Cal. 108 11th St. Redjands Col.	-	
6KT 6KJ	Mills, Eldon C	425 Orchard St., San Jose, Cal		
BU	Mills, Harry D.	245 Lime St., Riverside, Cal	1	
BRC	Moebius, Russell F	63 N. State St., Murray, Utah	1	
WB	Moebius, Russell F	426 29th St., Oakland, Cal	1	
MA	Montgomery, Alvin R	2303 Pacific Ave., Alameda, Cal		
BI	Moore, Ezra	108 11th St., Redlands, Cal		
SMM SSS	Morrow Tomas W	280 62d St. Ookland Col	,	
вМТ	Monter, winiam, jr. Montgomery, Alvin R. Moore, Ezra. Moore, Norval E. Morrow, James W. Mount Tamalpais Military Academy.	108 11th St., Redlands, Cal 108 11th St., Redlands, Cal 652 E. Culver St., Orange, Cal 389 63d St., Oakland, Cal San Rafael, Cal	1	
6IW	Muller, Lloyd. Mundt, Carlos S.	832 Haight St., San Francisco, Cal.		
BDK BFU	Mundt, Carlos S	832 Haight St., San Francisco, Cal. 2418 Eagle Ave., Alameda, Cal.		
BFU	Munger, Claude D	Nordhoff, Cal		
6BV	Munger, Claude D. Munzig, Arthur. Murkett, Philip T. Murphy, Harold J. Myers, Harry. Neff, Cecil. Nelson, Harry W. Nelson, Martin A.	Nordhoff, Cal 217 Tribune St., Redlands, Cal 126 W. Olive Ave., Redlands, Cal		
BPR BHM	Murphy Harold T	Mountain View Cal		
SQA ·	Myors Harry	Mountain View, Cal		
RKK	Neff. Cecil	3215 N. Broadway, Los Angeles, Cal 3751 Albatross St., San Diego, Cal		
KK BTA	Nelk, Teddy J	848 E. 28th St., Los Angeles, Cal. 269 E. 50th St., Los Angeles, Cal. 1075 Alverado St., San Leandro, Cal.		
SPH	Nelson, Harry W	269 E. 50th St., Los Angeles, Cal		
BQG BPN	Nelson, Martin A	1075 Alverado St., San Leandro, Cal	1	
BPN	Nesbit, Paul T	R. F. D. No. 1, Acampo, Cal. 280 N. 22d Ave., Los Angeles, Cal.		
AG	Neuser, Arthur A	280 N. 22d Ave., Los Angeles, Cal		
SAHN	Newman Harold I	2042 Son Jose Ave. Alamada Cal		
SNF	Nesbit, Paul T. Neuser, Arthur A. Neville, Glen Newnan, Harold L. Newton, Francis L.	417 S. 1st St., San Jose, Cal. 2242 San Jose Ave., Alameda, Cal. 100 Benita Ave., Piedmont, Cal.		
3HQ	Newton, Henry G.	Coronado, Cal		
BHQ BWK	Nickels, Lee	985 8th St., Oakland, Cal		
ROM	Nickle, Harold A	985 8th St., Oakland, Cal		
SOR SNA SNI	Nielsen, Fred J	136 Caine Ave., San Francisco, Cal		
AMI	Nielson, Anders	849 Athens Ave., Oakland, Cal		
BRN	Nilli, Emil Norton, Russell	825 Ist St., Napa, Cal.		
SPT	Nulsen, William B	545 San Benito St., Los Angeles, Cal		
STIC	Nusser, George F	309 N. Union Ave., Los Angeles, Cal		
BC	Oldham, William G., jr	309 N. Union Ave., Los Angeles, Cal. 720 Healdsburg Ave., Santa Rosa, Cal.		
BEC STI BLU	Notron, Russell Nulsen, William B Nusser, George F Oldham, William G., jr. O'Dell, James J. Oliver, Leslie H	327 Post St., San Jose, Cal.		
LU	Oliver, Leslie H	1116 Catalina Ave., Pasadena, Cal		
KB LJ	Olmstead, Charles B	327 Post St., San Jose, Cal. 1116 Catalina Ave., Pasadena, Cal. 259 N. 23d Ave., Los Angeles, Cal. 1433 J St., Eureka, Cal.		
SJZ	Olmstead, William H O'Neill, Frank M	1635 Addison St. Borksley Col	1	
RO	Ormsby, Russell	1635 Addison St., Berkeley, Cal. 1624 Chapin St., Alameda, Cal.	1	
SOE	Ormsby, RussellOstronik, Rudolph	4071 Budlong Ave., Los Angeles, Cal	1	
BPE	Ostrowsky, Arthur P	408 E. 61st St., Los Angeles, Cal	î	
	Pagh, Val E	Randsburg, Cal		
BPB	1 agii, rai 11			
BFP BLA	Parke, Francis M	582 N. Park Ave., Pomona, Cal. Lockeford, Cal. 22 Terra Dillo Ave., San Rafael, Cal.		

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## SIXTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Powe
,			Kw.
6LX	Parkin, John, jr	22 Terra Dillo Ave., San Rafael, Cal	
6MP	Parsons, William	2921 Manitou Ave., Los Angeles, Cal	6 00
$_{ m 6ABH}^{ m 6LV}$	Parsons, William Passage, Raye L. Peacock, Vernon L. Peck, W. Frank	22 Terra Dillo Ave., San Rafael, Cal. 2921 Manitou Ave., Los Angeles, Cal. 1966 Bonita Ave., Los Angeles, Cal. 1303 Main St., Alhambra, Cal. 569 Orange St., Riverside, Cal. 517 N. Washington St., Whittier, Cal. 34 Grant St., Redlands, Cal. Meridiari and Q Sts., San Diego, Cal. 490 48th St., Los Angeles, Cal. 2915 Virginia St. Rerkelay, Cal.	1
6ABH	Peacock, Vernon L	1303 Main St., Alhambra, Cal	
$_{ m 6BR}^{ m 6AV}$	Peelle, Russell G	517 N Washington St. Whittier Cal	1
6ER	Peifer, Norman P	34 Grant St., Redlands, Cal	
6QC	Peifer, Norman P. Perry, Oliver A. Petersen, Odin T.	Meridian and Q Sts., San Diego, Cal	1000
6OL	Petersen, Odin T	490 48th St., Los Angeles, Cal	1
6OJ	Peterson, Frank E Phelps, Allen G	2615 Virginia St., Berkeley, Cal 521 E. 17th St., Santa Ana, Cal. 3467 5th St., Los Angeles, Cal. 1261 St. Charles St., Alameda, Cal.	-
6LW	Phelps, Allen G	521 E. 17th St., Santa Ana, Cal.	1
6KH	Phillippi, Charles	1961 St. Charles St. Alameda Col	1
6CM 6CP	Pickard Clifford I	660 19th St., Richmond, Cal	
6IV	Philippi, Charles Phillips, Carroll J Pickard, Clifford J Pierson, Walter	Walnut Creek, Cal	. 1
6IY	Plimpton, Roe	Walnut Creek, Cal	
6EG	Plimpton, Roe Poage, Edward A	143 15th St., Richmond, Cal. 180 W. Date St., Riverside, Cal. 663 W. 35th Pl., Los Angeles, Cal.	1,100
6UO 6JX	Polkinghorn, Frank A	180 W. Date St., Riverside, Cal	1
6JX	Pollitt, Chalmer L	Long Reach Col	1
6LN 6GP	Polytechnic High School Post, George W	1600 Masonic Ava San Francisco Cal	1
6CR	Potter, Lee Roy	Maple and Spadra Sts., Fullerton, Cal.	1
6WI	Potter, Lee Roy. Powell, Joseph F. Powell, Meade W Pressell, Willis R. Preston, Harold.	Long Beach, Cal. 1699 Masonic Ave., San Francisco, Cal. Maple and Spadra Sts., Fullerton, Cal. 1125 N. Wilson Ave., Pasadena, Cal.	1
6BF	Powell, Meade W	Warren, Ariz 136 Mill St., Reno, Nev Hayward, Cal 282 Molino St., Long Beach, Cal. 892 Isabella St., Oakland, Cal	100
6VI	Pressell, Willis R	136 Mill St., Reno, Nev	177.55
6QO	Preston, Harold	Hayward, Cal.	3/53
6II	Provinse, Floyd Querolo, Louis R Raley, Mannie L	282 Molino St., Long Beach, Cal.	
$_{ m 6CH}^{ m 6CH}$	Palay Mannia I.	Lordshurg Cal	1000
6SP	Rathbun, Theodore B	Lordsburg, Cal. 1202 S. Normandie Ave., Los Angeles, Cal. 318 7th St., San Pedro, Cal. 340 30th St., San Francisco, Cal.	1
6UB	Ray, George	318 7th St., San Pedro, Cal	1
6VP	Redmond, Joseph	340 30th St., San Francisco, Cal	1111
6EX 6AFA	Remelin, Eldred L		V. 18 99
6AFA	Richardson, Franklin	7263 Sunset Blvd., Hollywood, Cal	1000
6GB	Roberts, Edwin D Robertson, Orlyn N Robinson, Sidney E	Los Altos, Cal.	313
6IQ 6TK	Pobinson Sidney F	202 S. Broadway, Santa Ana, Cal. 2929 Broadway, Oakland, Cal. 661 S. Chicago St., Los Angeles, Cal.	
6HZ	Roe (harles I)	661 S. Chicago St., Los Angeles, Cal	3573
6GI	Rothe, C. Ernest Royden, Herbert N., jr. Rugh, Charles	86 Viola Ave, San Jose Cal. 311 Ellsworth Ave., San Mateo, Cal. Los Gatos, Cal. 431 San Francisco Ave., Pomona, Cal. 401 10th St., Colusa, Cal.	712
6HR	Royden, Herbert N., jr	311 Ellsworth Ave., San Mateo, Cal	1
6FT	Rugh, Charles	Los Gatos, Cal	1
6FB	Rutherford, Paul H. Rutledge, Ralph. Rutzen, Frank E.	431 San Francisco Ave., Pomona, Cal	1
6HU	Rutledge, Raiph	831 Alvarado St., San Francisco, Cal.	
$_{ m 6AAV}^{ m 6FH}$	Ryberg Walter G	116 Virginia Ave. San Francisco, Cal.	
6FR	Ryberg, Walter G. Salome, Frederic W. Sanford, J. Gordon.	1493 Harrison St., Oakland, Cal	
60Z	Sanford, J. Gordon	1117 W. 78th St., Los Angeles, Cal	1
6RU	St. Clair, Harold	1645 S. Berendo St., Los Angeles, Cal	10.95
6SC	Sargent, Edward M	116 Virginia Ave., San Francisco, Cal. 1493 Harrison St., Oakland, Cal. 1117 W. 78th St., Los Angeles, Cal. 1645 S. Berendo St., Los Angeles, Cal. 2235 Lake St., San Francisco, Cal.	199.9
6NL	Sawyer, Clifford D	47 Wasnington St., Keno, Nev	
6ES 6HS	Schnarr Hanry I	3611 Allendale Ave. Oakland, Cal.	100
60W	Schaefer, Carl Schnarr, Henry J Scheidemantel, Oscar A	47 Washington St., Reno, Nev. 3118 Stillson Ave., Sacramento, Cal. 3611 Allendale Ave., Oakland, Cal. 5408 Alvise St., Los Angeles, Cal.	1
6UZ	Schellenback, Ray	5408 Alvise St., Los Angeles, Cal. 1223 San Julian St., Los Angeles, Cal. 1632 Bush St., San Francisco, Cal. 2728 E. 2d St., Los Angeles, Cal. 424 20th Ave, San Francisco, Cal. 530 S. Chicago St., Los Angeles, Cal. 2716 E. 22d St., Oakland, Cal.	2.30
6HK	Schonel Horry P	1632 Bush St., San Francisco, Cal	
6VT 6TS	Schleicher, Lorenz D. Schneider, Anton Schneider, August G. Schneider, William P. Schreeder, Arthur B.	2728 E. 2d St., Los Angeles, Cal	
6TS	Schneider, Anton	424 ZULII AVE., San Francisco, Cal	
6AY 6WS	Schneider William P	2716 E 22d St., Oakland, Cal	1
6FZ	Schroeder, Arthur R	Mountain View, Cal.	
6EA	Schroeder, Arthur R Seefred, Howard C. and Lyndon F.	Mountain View, Cal	100
	don F.		
6TF	Sooly Frank	2615 Etna St., Berkeley, Cal	
6EO	Setton, Binger H. Seidel, William E. Seitel, T. Benton. Selby, Charles J.	Taft, Cal 2717 Brighton Ave., Los Angeles, Cal.	1
6CT	Seitel T Benton	Chino, Cal	
$_{6\mathrm{NT}}^{6\mathrm{TV}}$	Selby Charles I	Chino, Cal. 3316 Market St., Oakland, Cal. 450 W. Center St., Pomona, Cal. 846 E. 33d St., Los Angeles, Cal. 1320 Illinois St., Los Angeles, Cal. 334 W. Murray St., Eureka, Cal. 576 N. Wilson Ave., Pasadena, Cal.	1
6SD		450 W. Center St., Pomona. Cal.	1
6IO	Shaffer, John	846 E. 33d St., Los Angeles, Cal	
6UU	Shaffer, John	1320 Illinois St., Los Angeles, Cal	33
6BP	Shannon, Leslie	334 W. Murray St., Eureka, Cal	
6EP	Sharon, Elwyn F	5/6 N. Wilson Ave., Pasadena, Cal	1
6UN	Shalton P O	2442 5th St. San Diego Cal	
6SR 6FS	Shelton, R. O. Short, Frank A. Short, Ralph R.	Lemon Grove, Cal. 3443 5th St., San Diego, Cal. 3484 Walnut St., Riverside, Cal. 160 Dearborn St., Pasadena, Cal.	133
VII D	Didly Light A	DAG II WALLED DUIS AND TONDENCY DESIGNATION OF THE PARTY	1

## SIXTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
Mi salar	1		Kw.
6DS	Sikes, Clarence W	118 Olive Ave., Modesto, Cal. 229 S. Cummings St., Los Angeles, Cal. 2937 Martinez Ave., Berkeley, Cal. 211 Orange Ave., Santa Ana, Cal. 318 2d St., Napa, Cal. 208 E. 40th Ave., Los Angeles, Cal. 3415 Glen Albyn Drive, Los Angeles, Cal. 378 Parallet Ava. San Francisco, Cal.	1.
6VR 6SK	Sisson, Waldo L	229 S. Cummings St., Los Angeles, Cal	1.
6SK	Sisson, Waldo LSkaale, Arthur J	2937 Martinez Ave., Berkeley, Cal	
6DQ	Sleeper, James L. Smelser, Laurel J. Smith, Edward I. Smith, Harold.	211 Orange Ave., Santa Ana, Cal	:
BLS	Smelser, Laurel J	318 2d St., Napa, Cal	
SAF SKZ	Smith, Edward I	208 E. 40th Ave., Los Angeles, Cal	
SKZ	Smith, Harold	3415 Glen Albyn Drive, Los Angeles, Cal. 78 Peralta Ave., San Francisco, Cal. 2031 E. 1st St., Long Beach, Cal. 2057 W. 29th St., Los Angeles, Cal. 795 Simpson Ave., Salt Lake City, Utah. 75 Bush St., San Jose, Cal. 3737 3d St., San Diego, Cal. 1934—B Folsom St., San Francisco, Cal. 172 32d Ave., San Francisco, Cal. 2731 Dwight Way, Berkeley, Cal.	
SSM	Smith, Seth	78 Peralta Ave., San Francisco, Cal	3:
6QN 6PD	Smith, Seth	2031 E. Ist St., Long Beach, Cal	9 .
PD	Somers, William A Sorenson, Carl. Soules, Ernest H Spare, Wilson Spatafore, Joseph. Spaulding, Leland J Speir, Godfrey B Spare, Haward E	705 Cimpuon Ara Calt Laka City Utah	
BACS	Sories Fragt H	75 Buch St. San Jose Col	
WR	Spare Wilson	3737 3d St. San Diago Cal	:
BPG	Spate ore Joseph	1024_R Folcom St. San Francisco Cal	
NO	Spaulding Leland I	172 32d Ave San Francisco Cal	
SNO STG SST	Speir Godfrey B	2731 Dwight Way Berkeley Cal	
ST	Spencer Howard E	Rivera Cal	
SA	Spencer Oscar I	33 Douglas St. San Francisco, Cal	
CK	Spencer Edward R	1640 23d Ave Oakland Cal	1.
RS	Spring, Fred R	315 W. 51st Ave., Los Angeles, Cal.,	1.
SAZ	Springman, Arthur E	1818 N. Broadway, Los Angeles, Cal	1.
ABK	Squires, Harold D	2731 Dwight Way, Berkeley, Cal.	1.
BDD	Speir, Godfrey B Spencer, Howard E Spencer, Oscar J Spencer, Edward R Spring, Fred R Springman, Arthur E Squires, Harold D Stagi, Guadenzio Strayback Rollo L	Los Altos, Cal	
6RH	Stamback, Rollo L	Los Altos, Cal. 753 Redondo Ave., Long Beach, Cal. 1005 Riverene Ave., Santa Ana, Cal.	
SNZ	Spicer, Clarence Squires, John E Stauffer, John	1005 Riverene Ave., Santa Ana, Cal	
ijs	Squires, John E	1605 Arch St., Berkeley, Cal.	
JR	Stauffer, John	601 Broderick St., San Francisco, Cal	
SABL		222 Short St., Long Beach, Cal	
TT	Stewart, Francis S. Stoddard, Harold.	222 Short St., Long Beach, Cal. 1919 Fern St., San Diego, Cal. 1309 8th St., Oakland, Cal.	
RE	Stoddard, Harold	1309 8th St., Oakland, Cal	
RE PW RP	Stone, Philip B. Stonecipher, Charles E. Stonehocker, Harold.	Murray, Utah	
RP	Stonecipher, Charles E	7227 S. Moneta Ave., Los Angeles, Cal	
HP	Stonehocker, Harold	1732 Webster Ave., Fresno, Cal	
MZ	Stoudt, Frank L	340 Francis St., Pomona, Cal	
CJ AB	Stowe, Theodore E	41st Ave., Capitola, Cal	
AB	Street, George	1208 Myrtle St., Oakland, Cal	1.
SZ	Stonehocker, Harold. Stoudt, Frank L Stowe, Theodore E Street, George Strong, Stuart E Strong, William A. Stubbs, Frank A. Stubbs, Frank A. Summers, James W. Sundquist, Fred. Sutherland, Clarence. Sykes, Joseph.	1309 8th St., Oakland, Cal.  Murray, Utah. 7227 S. Moneta Ave., Los Angeles, Cal. 1732 Webster Ave., Fresno, Cal. 4187 Arencis St., Pomona, Cal. 4187 Ave., Capitola, Cal. 1208 Myrtle St., Oakland, Cal. 268 Jayne St., Oakland, Cal. 2695 Petaluma Ave., San Rafael, Cal. 2629 Mission St., San Francisco, Cal. 1061 62d St., Oakland, Cal. 2153 Albee St., Eureka, Cal. 2334 94th Ave., Oakland, Cal. 334 S. Hope St., Los Angeles, Cal.	1.
WG	Strong, William A	695 Petaluma Ave., San Raiael, Cal	1.
FO	Stubbs, Frank A	2629 Mission St., San Francisco, Cal	
GO VB	Summers, James W	1061 620 St., Oakiand, Cal	
SU	Sundquist, Fred	2153 A1000 St., Eureka, Cal	1.
AAN	Sutherland, Clarence	2334 94th Ave., Oakland, Cal.  354 S. Hope St., Los Angeles, Cal  5610 Mission St., San Francisco, Cal  801 Brent Ave., South Pasadena, Cal  1264 Oxford St., Los Angeles, Cal  740 S. San Antonio Ave., Pomona, Cal  2768 Chargune Ave. San Diego, Cal	1.
AAT	Sykes, Joseph Szukalski, Joseph P Taenzer, Ernest M	5610 Mission St. San Francisco Cal	
DV	Toongor Ernest M	2010 Mission St., San Francisco, Car	
JU		1964 Oxford St. Log Angeles Col	
BK	Talbott, Paul H	740 S San Antonio Ave Pomona Cal	
BW	Toylor Edwin K	140 S. San Antonio Ave., Folinoina, Cai. 3766 Chamcune Ave., San Diego, Cal. 512 Oak St., San Francisco, Cal. 144 12th St., Riverside, Cal. Mayfield, Cal.	
EH	Taylor Frank G	512 Oak St. San Francisco Cal	
TW	Taylor Hope	144 19th St. Riverside Cal	
TW OB	Telmont, Hippolyte B	Mayfield Cal	
NH	Taylor, Frank G. Taylor, Hope. Telmont, Hippolyte B. Terrell, Edwin	Mayfield, Cál. 271 8th St., San Pedro, Cal 2929 Octavia St., Oakland, Cal. 931 Concord St., Los Angeles, Cal. 1536 F St., San Diego, Cal. 2801 La Salle Ave., Los Angeles, Cal. 1876 15th St., San Francisco, Cal. 239 E. Whiting Ave., Fullerton, Cal. Lancha Plana, Cal. 23616 Felton Ave., Richmond, Cal. 7 Grant Ave., Watsonville, Cal. 1246 St. Charles St., Alameda, Cal. 1635 Maltman Ave., Los Angeles, Cal.	
HI	Terrell, Edwin Tessien, Henry A. Thacker, Roy M. Themer, Francis. Thomas, Courte D. Thomason Charles F.	2929 Octavia St., Oakland, Cal	
TX	Thacker, Roy M	931 Concord St., Los Angeles, Cal	1.
SG	Themer, Francis	1536 F St., San Diego, Cal	1.
KX	Thomas, Courte D	2801 La Salle Ave., Los Angeles, Cal	1
UQ NE	Thompson, Charles E	1876 15th St., San Francisco, Cal	
NE	Thompson, Lloyd Thornton, George N Thorson, Robert W Thurman, Alvin C	239 E. Whiting Ave., Fullerton, Cal	1.
PQ BY	Thornton, George N	Lancha Plana, Cal	
BY	Thorson, Robert W	3616 Felton Ave., Richmond, Cal	1.
GQ JT	Thurman, Alvin C	7 Grant Ave., Watsonville, Cal	1.
JT	Tibbitts, Jonathan C	1246 St. Charles St., Alameda, Cal	
KS	Tilden, C. W	1635 Maltman Ave., Los Angeles, Cal	
KG IM	Tripp, Dwight K	933 Gramercy Drive, Los Angeles, Cal	1.
MIC	Tibbitts, Jonathan C Tilden, C. W Tripp, Dwight K Townsend, Irye L Tubbs, Ernest A	737 Oakland Ave., Pasadena, Cal	
CZ	Tubbs, Ernest A	103 Tribune St., Redlands, Cal	
WE	Tuip, Ralph	840 W. 53d St., Los Angeles, Cal	1.
ABR	Turner, Herbert C	1703 S. Berendo St., Los Angeles, Cal	
SOT SDT	Tutp, Ralph. Turner, Herbert C. Tyler, Otto B. Underwood, Ernest G. Urban, Carl H. Van Auken, George L. Van Manning, Harold	1246 St. Charles St., Alameda, Cal. 1635 Maltman Ave., Los Angeles, Cal. 933 Gramercy Drive, Los Angeles, Cal. 737 Oakland Ave., Pasadena, Cal. 103 Tribune St., Redlands, Cal. 840 W. 53d St., Los Angeles, Cal. 1703 S. Berendo St., Los Angeles, Cal. 1903 E. Serendo St., Los Angeles, Cal. 352 Illinois St., Pomona, Cal. 903 E. Commercial St., Inglewood, Cal. 320 Maple St., Reno, Nev. San Jose, Cal. 34 Hunolt St., Santa Cruz, Cal.	1.
DT'	Underwood, Ernest G	903 E. Commercial St., Inglewood, Cal	
QZ	Urban, Carl H	320 Maple St., Reno, Nev	
GL	Van Auken, George L	San Jose, Cal.	
ML	Van Manning, Harold	34 Hunoit St., Santa Cruz, Cal	
WA SQP	van Wny, Forbes W	34 Hunolt St., Santa Cruz, Cal. 2012 N. Broadway, Los Angeles, Cal. 211 S. 20th Ave., Los Angeles, Cal. 341 Chestnut Ave., Long Beach, Cal.	1.
		I ZI I S ZITO AVA LOS ANGAIOS COI	

#### SIXTH DISTRICT-Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal	Owner of station.	Location of station.	Powe
			Kw.
6VU	Vonderheide, Harold H	711 Carson St., Carson City, Nev	0
6BA	Wadsworth, Claude E	336 Center St., Healdsburg, Cal	
6JI	Wagnon, Earl B	Los Altos Cal	11-100
600	Walden, Myran	994 57th St., Oakland, Cal. 1431 Linden Ave., Long Beach, Cal.	12.18
6OC	Wallace Donald C	1431 Linden Ave. Long Beach, Cal	1930
6IG	Wallace, Donald C Wallace, Edward A	138 Water St., Santa Cruz, Cal	1
6VV	Wallace, Forrest P.	120 S. Monterey St., Alhambra, Cal.	1
6IE	Walter, Gilbert	4523 Shattuck St., Oakland, Cal	
6WO	Walters, Wilbur E	410 E. 2d St., Lordsburg, Cal	335
6HT	Walters, William T	2140 Tyler Ave., Fresno, Cal	1
6TJ	Warner, Stafford W	1990 Wast St Oakland Cal	17/6
6KW	Warriner, Willard V	1829 West St., Oakland, Cal. 245 Eagle Rock Ave., Los Angeles, Cal.	1
6Q.W	Waters, John E	2002 N. Broadway, Santa Ana, Cal	1
6EY	Watson, Edwin A	1611 Walnut St., Alameda, Cal	
6NW	Webb, Morrison R		
6WV	Webb, Walter R	541 18th St., Oakland, Cal. 1306 W. 41st St., Los Angeles, Cal. 632 N. Bunker Hill Ave., Los Angeles, Cal.	
6CS	Webber, Franklin C	632 N. Bunker Hill Ave., Los Angeles, Cal	300
6WU	Weddell, Clarence C	236½ Walnut St., San Jose, Cal	
6AN	Weisbart, Ben	136 S. Lucas St., Los Angeles, Cal	685
6VW	Weishart, Bell	2217 Shattuck St., Berkeley, Cal.	
6DZ	Welch, Gerald D	2201 Rose St., Berkeley, Cal.	
	Werner, George W., jr	3039 Adeline St., Berkeley, Cal.	1000
6GW		143 N. Lime St., Riverside, Cal	1
6DX 6UX	Wheelock, Charles Whidden, Ira P	1246 Liberty St., Santa Clara, Cal.	
6DO	Whitener Por	419 38th Ave., San Francisco, Cal	- 10
	Whisman, Ray	435 Oakland Ave., Pasadena, Cal.	A. 30
6VA	White, G. Richard	435 Oakland Ave., Fasadena, Cal	
6HW 6CX	White, Howard	822 E. 4th St., Santa Ana, Cal. 138 N. Ohio St., Los Angeles, Cal.	13.00
6DU	Whitehead, Stanley K	265 N. Mountain Trail, Sierra Madre, Cal.	10 m
	Whitworth, George K	149 San Carlos Ave., San Francisco, Cal	1
6FE	Wickersham, Harry H	412 Redondo St., Inglewood, Cal	
6PY	Wight, Ralph W	1250 26th Ave., San Francisco, Cal.	COM.
6RL	Wiley, Ralph W	1250 20th Ave., San Francisco, Cal	100
6PS	Wilkins, Roy A	532 N. 17th St., San Jose, Cal.	17.19
6AAM	Willey, Oscar F	292 King St., Santa Cruz, Cal. 1202 8th St., Oakland, Cal.	1000
6JL	Williams, John C	1202 8th St., Oakland, Cal	3399
6RZ	Williams, Roy D	554 Pine Ave., Long Beach, Cal 295 California Ter., Pasadena, Cal	100
6NV	Williams, Theodore T	295 California Ter., Pasadena, Cal	100
6BH	Williamson, Harry	10 S. Church St., Redlands, Cal.	1300
60 G	Willis, Fred S	2140 California St., Eureka, Cal	
6QB	Wilmot, Allen G	2114 3d Ave., Los Angeles, Cal 363 S. 11th St., San Jose, Cal	75
6AGW	Wilson, Gerard	Sos S. IIII St., San Jose, Cal	103
6NP	Wilson, J. Vernon	Encanto, Cal	100
6NB	Winter, Gilbert H	Encanto, Cal. 1742 Bushnell Pl., Berkeley, Cal. 1346 30th St., San Diego, Cal.	
6FW	Wisner, Fred L	1340 3Uth St., San Diego, Cal	100
6JV	Worthington, Jack	548 37th St., Oakland, Cal.	100
6SV	Wright, F. Harlow	Orange Cove, Cal.	
6RT	Wright, Harry E	935 Harrison St., Oakland, Cal. 315 Alvarado Court, Pomona, Cal.	W
6TC	Wright, Howard E	315 Alvarado Court, Pomona, Cal	100
6TY	York, Darwin E and Guy A.	1001 W. 1st St., Santa Ana, Cal	172
6MQ	Zangraft, Thomas J	479 Cypress St., Pasadena, Cal	1

## ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
6AAB 6AAB 6AAE 6AAF 6AAG 6AAH 6AAJ 6AAK 6AAL 6AAM 6AAP 6AAR 6AAR	Aster, Alvin K. Hemenway, Clyde C. Mahn, Erich G. Bray, Harold R. Collins, Wayne A. Gilbert, P. H. Gilstrap, Frederick L. Linville, Charles R. Brinkman, Fred E. Lyon, John. Willey, Oscar F. Beal, Ira. Bennett, Dudley W. Szukalski, Joseph P. Ryberg, Walter G. Street, George.	6ABA 6ABC 6ABF 6ABH 6ABH 6ABL 6ABM 6ABO 6ACA 6ACA 6ACA 6ACE 6ACH 6ACS	Alexander, L. R. Hellikson, Vivian L. Moore, Walter. McLaren, Alfred. Peacock, Vernon L. Squires, Harold. Stebbins, Leslie. Bevitt, Edwin R. Evans, Charles C. Turner, Herbert C. Capwell, Cebert E. Andrews, Clarence. Trout, Delbert. Heaney, Clarence. Sorenson, Carl. Diamond, Alfred.	6ADA 6ADC 6ADF 6AFA 6AFA 6AFC 6AFD 6AGB 6AGB 6AGW 6AHA 6AHA	Woods, Hubert. Shiner, Gerald. Youngstrom, Charles H. Johnson, Roy. Smith, Edward. Richardson, Frankin. Callero, Frank. Manasse, Gerald. Neuser, Arthur A. Bockman, Georga. Griffin, Ellis. Wilson, Gerard. Botts, James. Herberger, A. E. Evans, Herbert.

## SIXTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

		<del></del>		1	<del></del>
Call. signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
6AHN	Newnan, Harold.	6DJ	Marritt, Lawrence G.	6GO	Summers, J. W.
6AI	Green, Alfred.	6DK	Mundt, C. S.	6GO 6GP	Post, George W.
6AJ_	Newnan, Harold. Green, Alfred. Bean, James. Miller, Albert.	6DM	Merritt, Lawrence G. Mundt, C. S. Higgy, Robert.	6GQ 6GR	Thurman, A. C. Brown, Clarence C.
6AK 6AKA	Miller, Albert.	6DO	Whisman, Ray. Briare, William N., jr.	6GR	Brown, Clarence C.
6ALA	Whiting, Edmund W. Wells, Herbert. Stuart, Burton G.	6DP 6DQ	Briare, William N., Jr.	6GS 6GT	Johnson, Phillip.
6ALB	Stuart, Burton G.	6DR	Sleeper, James L.	66ប	Knudsen, George, Anzini, Daniel I
6ALC	Erikson, Elwood.	6DS	Laverty, F. B. Sikes, C. W. Underwood, Ernest G.	6GU 6GV	Anzini, Daniel I. Jones, Alfred Henry. Werner, George W., jr Long, Herman. Chamber, W.
6ALD	Erikson, Elwood. Dye, Leland.	6DT	Underwood, Ernest G.	6GW	Werner, George W., jr
6AM	i Kann Jililia - i	6DU	w nitworth, George.	6GX 6GY	Long, Herman.
6AO 6AP	Chase John H	6DV	Bales, Edward M. Wheelock, Charles D.	6GZ	Champion, W. Kern County High
6AQ.	De La Cruz, George,	6DX 6DZ	Welch, Gerald.	002	School.
6ARC	Bargar, Avery E. Chase, John H. De La Cruz, George. Anderson, Andrew.				
6ARD	1 Dow, Cimora.	6EA	Seefred, H. C. Bazzini, E. M. H.	6HA	Kreamer, John A.
6ARG 6ASR	Gerwing, Robert S.	6EB 6EC	Bazzini, E. M. H.	6HB 6HD	Hunt, Homer.
6AT	Browning, Samuel D. Heer, A. A., ir. Clark, Paul U.	6ED	Lewis, H. E. Farish, Edward F.	6HE	Dickow, H. Castro, Morris.
RATI	Clark, Paul U.	6EE	Bilhimer, S. J.	6HG	Hart, Gardner Lloyd.
6AW	i Cuiien, Paui.	6EG	Poage, Edward.	6HI	Tessien, Henry.
6AW 6AY 6AZ	Schneider, August G. Springman, Arthur.	6EH	Taylor, Frank.	6HJ	McIntosh, Harold St.
0AL	opringinan, Armiur.	6EI 6EK	Bühimer, S. J. Poage, Edward. Taylor, Frank. Walters, Wilbur E. Eiferle, Chrissie.	6HK	Schenck, H. P.
6BA	Wadsworth, C. E.	6EM	McGuire, Edward.	6HL	Linhoff, Harold.
(BB	May, Howard.	6EN	Miller, Elmer.	6HM	Murphy, Harold J.
(BC	May, Howard. Oldham, William, jr. Carter, E. Stewart.	6EO 6EP	Sefton, Binger.	6HN	Murphy, Harold J. Fredericksen, C. J. Ardenyi, William A.
6BD 6BE	Carter, E. Stewart.	6EP	McGuire, Edward. Miller, Elmer. Setton, Binger. Sharon, E. F. Robert, Jonathan L. Peifer, Norman.	6HO 6HP	Ardenyl, William A.
6BF	Birkeland, Andrew. Powell, Meade W.	6ER	Peifer, Norman.	6HR	Stonehocker, Harold. Royden, Herbert.
6BG	Powell, Meade W. Grates, John.	6ES	Schoefer, Carl.	6HS	Schnarr, H. J.
6BG 6BH	i williamson, Harry, i	6ES 6ET	Schoefer, Carl. Fenner, Paul R.	6HT	Schnarr, H. J. Walters, William.
6BI	Moore, Ezra.	6EU	I MILICIDOLOGIA, MICHAEL VIII C.	6HU	Rutledge, Ralph. Ferrill, H. E.
6BJ 6BK	Bunting, Lawrence. Talbott, Paul H.	6EW	Bertin, Edwin.	6HV 6HW	White Howard
6BL	Betterly, Jack.	6EX 6EY	Watson, Edwin A.	I 6HX	Hare, Robert.
6BN	Betterly, Jack. Mentzer, Leonard.	6EZ	Remelin, Eldred Lea. Watson, Edwin A. McHolland, Ray-	6HY	White, Howard. Hare, Robert. Davidson, Merritt.
6BO	Mattoon, Stanley. Arbing, Bartley. Peelle, Russell. Green, Carl, jr. Cantelow, Elbridge M.	ì	mond.	6HZ	Roe, Charles.
6BQ 6BR	Peelle, Russell.	6FA	Arnherger, F., ir.	6IA	Griffiths, Walter
6BS	Green, Carl, jr.	6FB	Arnberger, F., jr. Rutherford, Paul.		Mayne.
6B <b>T</b>	Cantelow, Elbridge M.	6FB 6FC	Isham, Carlton.	6IB	Mayne. Bauchou, Leon J.
6BU 6BV	Mills, Harry. Munzig, Arthur.	6FE	Wickersham, Harry	6IC	Austin, Russell Frederick.
6BX	Lankston, Jesse M.	6FF	Cosgrove, Clarence E.	6ID	Barton, Harry.
6BX 6BY	Lankston, Jesse M. Thorson, Robert. Fickas, William.	6FG 6FH	Cosgrove, Clarence E. Bauman, W. Rutzen, F.	6IF	Barton, Harry. Farwell, Ivyn.
6B <b>Z</b>	Fickas, William.		Rutzen, F.	6IH	Hazelton, Raiph L.
6CA	} ·	6FI 6FJ	Eveleth, Harian A.	6II	Provinse, Floyd. Boehme, Herbert.
6CB	Lowell, Charles, jr.	6FL	Barnum, Coit L.	6IJ 6IK	Grotzinger, Clarence
6CC	Canfield, Carlton E.	6FM	High, Freeman. Carroll, Russell W.	6IL	Grotzinger, Clarence. Mahler, James J., jr.
6CD	Abbott, Clare C.	6FN	Deetkin, Fred.	6IM	l'owneend lrue
6CE	Bascom, C. N. Canfield, Carlton E. Abbott, Clare C. Clark, J. R. Cartin Burbonk	6FO 6FP	Deetkin, Fred. Stubbe, Frank. Parke, Francis M. Foster, Harold M.	6IN	Lewelling, Raymond. Shaffer, John. Marsh, Hallan. Robertson, Orlyn. Andrews, Carl.
6CF 6CH	Curtis, Burbank. Raley, M. Le Roy. Hillen, Russell W.	6FQ	Foster, Harold M	6IO 6IP	Marsh, Hallan
6CI	Hillen, Russell W.	6FR	Salome, Frederick W.	I STO	Robertson, Orlyn.
6CK	Spencer, Edward R. Cosby, Mark Barrett. Phillips, Carroll J. Hendricks, Charles F. Pickard, Clifford. Kamper, Hence	6FS	Salomé, Frederick W. Short, F. A.	618	Andrews, Carl.
6CL	Cosby, Mark Barrett.	6FU	Munger, C. D.	6IU	Huccainson, Howard
6CM 6CN	Hendricks Charles T	6FV	Munger, C. D. Foulon, Fred. Wisner, Fred. Bonar, Perry.	6IW	W. Muller, Lloyd.
6CP	Pickard, Clifford.	6FW 6FY	Bonar, Perry.	6IY	Plimpton, Roe.
6CQ		6FZ	Schroeder, Arthur R.		
6CR	Potter, Lee.			6JA 6JB	Knight, James B.
6CS 6CT	Webber, F. Seidel, William.	6GA 6GB	Andrews, Gaylord. Roberts, Edwin D.	enc en B	Tassey, Glenn. Kulish, John, jr.
6CV	Anderson, Donald S.	6GC	I Green H A	6JD	Binney, John
6CX	Anderson, Donald S. Whitehead, Stanley.	6GD	Fackrell, G. O. Corpe, G. S. Farmer, Gordon. Malarin, Henry.	6JE	Binney, John. Mead, John H.
6CY 6CZ	Lundy, Elmer. Tubbs, Ernest A.	6GE	Corpe, G. S.	OH OH	Homand, James. Koepfli, Jos. B.
6CZ	Tubbs, Ernest A.	6GF	rarmer, Gordon.	6JH 6JI	Koepiii, Jos. B.
6DA	Bolton, Herbert B.	6GG 6GH	McCarthy, J. J.	911	Wagnon, E. B. Klahn, Leander.
6DC	Hibbard, Charles, ir.	6GI	Rothe, Charles.	l 6JL	I Williams, John
6DD	Stagi, Guadenzio.	6GJ	Rothe, Charles. Richardson, C. E.	6JM	McCargar, J. L.
6DE	Stagi, Guadenzio. Davidson, James D. Buckner, H. E.	6GK	Hayden, Gordon L.	6JN	McCargar, J. L. Livesay, J. Russell. Hayden, Jack.
6DF 6DG	Duffy, Guy	6GL 6GM	Van Aukon, G. L. Mackin, George R.	6JO 6JP	Clark, John
6DH	Duffy, Guy. Grimes, W. Frank. Cookson, H.	6GN	Grossnickle, Russell	6JQ 6JR	Clark, John. Carroll, Lionel. Stauffer, John.
6DI	Cookson, H.	1	! R. '	6JR	Stauffer, John.

## SIXTH DISTRICT—Continued.

## ALPHABETICALLY BY CALL SIGNALS—Continued.

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Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
6J8	Squires, John E.	6MW	Lauritsen, Albert	6PY	Wight, Ralph W.
6JT	Tibbitts, Jonathan C.		Miller.	6PŽ	Brown, Robert L.
6JU	Tait, Jack.	6MX	Macurda, Malcolm.		1 .
6JV	I Worthington, J.	6MY	Johnston, Robert.	6OA	Myers, Harry,
6JW	Meyer, Joseph. Pollitt, Chalmer L.	6MZ	Stoudt, Frank L.	6QA 6QC 6QC 6QE 6QF 6QG 6QH	Myers, Harry. Perry, Oliver. Finley, W. E. Clewett, Heber.
6JX 6JY	Pollitt, Chalmer L.			6ÕD	Finley, W. E.
6JY	Humphrey, Estil.	6NA	Nielson, Anders. Winter, Gilbert H. Gould, William. Breck, F. B.	60E	Clewett, Heber.
6J <i>Z</i>	Humphrey, Estil. O'Neill, Frank Mur-	6NB	Winter, Gilbert H.	6OF	Clements, F. P. Nelson, Martin A. Flaig, Philip.
	ray.	6NC	Gould, William.	6 <b>Q</b> .G	Nelson, Martin A.
	1 '	6ND	Breck, F. B.	6QH	Flaig, Philip.
6KA	Dickey, Herbert A.	6NE	Thompson, Lioya.	6QJ	Crissman, Robert. Shannon, Thomas Jo-
6KB	Olmstead, Charles.	6NF	Newton, Francis.	6QJ	Shannon, Thomas Jo-
6KC 6KD	Olmstead, Charles. Bolton, Herbert J. Dutton, Kingsley.	6NJ	Cunningham,	I	seph P. Gill, Fred M. Nickle, Harold Al-
6KD	Dutton, Kingsley.	1		6QK	Gill, Fred M.
6KF	Jackson, M.	6NK	Duncan, Harold.	6QM	Nickle, Harold Al-
6KI	Jones, Ernest P. Mills, Eldon Cecil. Neff, Cecil.	6NL	Sawyer, C. D.		bert.
6KJ	Milis, Eldon Cecil.	6NM 6NN	Carter, Kenneth.	6QN 6QP 6QR	Snider, Wallace.
6KK 6KM	Neil, Cecil.	ONN	Bowen, waiter.	6QP	Vodra, George.
OKM	Dalby, William.	6NO	Spaulding, L. J.	6QR	Chase, Raiph N.
6KN 6KO	Davidson, George A. Short, Ralph Ran-	6NP	Duncan, Harold. Sawyer, C. D. Carter, Kenneth. Bowen, Walter. Spaulding, L. J. Wilson, J. Vernon. Francis, Ernest R. Neville, Glenn.	6QS	bert. Snider, Wallace. Vodra, George. Chase, Ralph N. Henry, William Joseph.
UAU	doll raipi ran-	6NQ 6NS	Navilla Clann	405	
6KP	dall. Miller, Murray.	6NT		OQ'I	Dalton, Stuart P.
6KQ	Brennan R P	0111	Selby, Charles Jo- seph.	8077	Garretson, Oliver. Kimm, George N.
6KŘ	Roitsch George A	6NU	Heppenstall, W. L.	80 W	Wotor John F
6KS	Brennan, R. P. Roitsch, George A. Tilden, C. W. Mealer, Loyal D.	6NW	Webb, Morrison. Calvert, Paul. Bagley, William. Spicer, Clarence.	6QT 6QU 6QV 6QW 6QX	Waters, John E. Baird, Maxfield A.
6KU	Mealer, Loval D.	6NW 6NX	Calvert. Paul.	6QZ	Urban, Carl Henry.
AKV		6NY	Bagley, William,	0022	orban, carrically.
6KW	Warriner, W. V.	6NZ	Spicer, Clarence.	6RB	Barbagelata, Russell.
6XX	Thomas, Courte D.		,	6RC	Modific Russell
6KW 6XX 6KZ	Warriner, W. V. Thomas, Courte D. Smith, Harold.	60A	Adams, E. R.	6RD	Deardorff, Ralph W. Stoddard, Harold. Closson, William. Downs, Robert.
		60B	Telmont, Hippolyte	6RE	Stoddard, Harold.
6LA	Parker, Ralph.		1 R.	6RF	Closson, William.
6LD	Haskell, Charles.	6OC	Wallace, Donald C.	6RG	Downs, Robert.
6LE	Lewis, Tony.	60D	Foster, Lewis.	6RH	Stamback, Rollo L.
6LF	Parker, Ralph. Haskell, Charles. Lewis, Tony. Lohry, Ross B. Lee, George R.	6OE	Wallace, Donald C. Foster, Lewis. Ostronik, Rudolph.	I SRI	Stamback, Rollo L. Hanchett, Robert. Kelley, Roger M. Gabriel, Edward
6LG	Lee, George R.	60 F	Kroman, Robert. Waite, H. E.	6RK	Kelley, Roger M.
6LH	Hunt, Lloyd F.	60 G	Waite, H. E.	6RM	Gabriel, Edward
6LI	Hunt, Lloyd F. Isaacs, L. R. Olmstead, William H.	60H 60I	Bonham, C. L. Dawson, J. Percy. Peterson, Frank.		I Joseph.
6LJ 6LK	Oimstead, William H.	601 60J	Dawson, J. Percy.	6RN	Norton, Russell. Stonecipher, Charles.
	Griffith William	60K		6RP	Stonecipner, Charles.
6LL 6LM	Fox, Irving Allen. Griffith, William. Erler, Robert. Long Beach Polytechnic High School.	6OL	Dillon, Lyle. Peterson, Odin. Hoover, Peter. Waldon, Myran. Altland, Comer P. Lemon, Melvil e L. Nielson Fred	6RQ 6RR	Abrahamson, R.
6LN	Long Reach Polytech	60N	Hoover Peter	ORK	Herman, Edward William.
0221	nic High School.	600	Waldon, Myran.	6RT	Wright Horry E
6LO	Lory, C. S.	6OP	Altland, Comer P.	6RU	Wright, Harry E. St. Clair, Harold.
6LP	Lory, C. S. Gray, C. L.	60Q 60R	Lemon, Melvil e L.	6RV	Querolo, Louis.
6LQ	Duborg, George. Baker, Jesse Edgar.	60R	Nielson, Fred. Tyler, Otto.	6RW	Querolo, Louis. Garver, Oliver.
6LR	Baker, Jesse Edgar.	6OT	Tyler, Otto.	6RX	Dieterich, Martin.
6LS	Cooksey, Claybourne	6OU	Hawley, George N. Atkins, Carl.	6RX 6RZ	Dieterich, Martin. Williams, Roy D.
	1 D.	6OV	Atkins, Carl.		,
6LT	Farolita, Dominic A. Oliver, Leslie.	60 W 60 X 60 Y	Schiedmantel, Oscar.	6SA	Spencer, Oscar.
6LU	Oliver, Leslie.	60X	Martin, Andrew W. Dodson, L. O.	68B	Clark, Jean H.
6LV 6LW	Passage, Raye.	BUY	Dodson, L. O.	68C	Sargent, Edward M. Shaffer, Charles.
OT A	Phelps, Allen G.	6OZ	Sanford, J. Gordon.	68D	Snaffer, Charles.
6LX 6LY	Parkin, John. Ladley, W. A. Burgess, Charles W.	gp.	Holing E C	6SE	Preston, Harold. Fuller, Etson Sidney.
6LY	Burges Charles W	6PA 6PB	Heling, E. C. Pagh, Val.	6SF '	Themes Francis
OLL	Durgess, Charles W.	6PC	Rumbough Worold	68G	Themer, Francis.
6 <b>M</b> .A	Montgomery, Alvin	6PD	Bumbaugh, Harold. Somers, William.	6SH	MacQuarrie, Harold.
OME	Montgomery, Alvin R.	6PE	Floming Robert	68I 68J	Hoyt, Leander L.
6 <b>M</b> B	Jonson, Frank.	6PG	Fleming, Robert. Spatafore, Joseph. Nelson, Harry.	6SK	Lope, John. Skaale, A. J. Hart, Cedric Elliott. Smith, Seth.
6MC	McGown, Dudley B	6PH	Nelson, Herry	6SL	Hart Cadrio Elliott
6ME	McGown, Dudley B. Gregory, Marshall. Fitzpatrick, Gerald.	6PI	Furman, Oliver.	6SM	Smith Sath
6MF	Fitzpatrick, Gerald.	6PJ	Gale, Paul.	6SN	Edwards Lawis
6MI	Hooper, Herpert D.	6PJ 6PK 6PL	Latta, Paul.	680	Edwards, Lewis. Parkin, Gladys K. Rathbun, Theodore. Fonseca, Arthur. Shalten, Dr. B.
6MJ	Hickman, Roger	6PL	Kubias, R. M.	680 68P	Rathbun, Theodore
	I Wavna I	6PM	Hamilton, O. J.	6SQ	Fonseca, Arthur.
6ML	Manning, Harold V. Moore, Norval E. Maher, Edward T.	6PN		68Ř	
6 <b>MM</b>	Moore, Norval E.	6PO	Nesbit, Paul. Drath, Walter.	688 68T	Morrow, James W. Spencer, H. E.
6MN	Maher, Edward T.	6PQ 6PR	Thornton, George. Murkett, Philip T.	6ST	Spencer, H. E.
6 <b>M</b> O	Dargitz, Jesse L. Parson, William.	6PR	Murkett, Philip T.	68U	Butherland, C.
6MP	Parson, William.	I RPS	Wilkins, Roy.	6SV	Wright, Harlow.
6MQ	I Anderson, Santa.	6PT	Wilkins, Roy. Nulson, William B.	68W	Anderson, Elroy E.
6MR	Nener, Loyal A.	6PT 6PU 6PV	Hamilton, Howard. Henn, C. W.	1 68X	Anderson, Elroy E. Johnson, A. E. Josephs, Howard.
6MS 6MV	Neher, Loyal A. McArdle, James J. MacMullen, Gerald.	6PV	Henn, C. W.	68Y	Josephs, Howard.
OWY A	· maximum ( Geraid.	OFA	Barlow, Roy.		To a second

#### SIXTH DISTRICT-Continued.

#### ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
6TAB 6TTBC 6TTBC 6TTF 6TTFL 6TTFL 6TTFL 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTUV 6TTTU	Nelk, T. J. Dietz, Irwin. Wright, Howard. Dowling, Thomas. Heuter, Noble. Seely, Frank. Blodgett, Harry. Fabian, Ernest. O'Dell, James J. Warner, Stafford W. Robinson, Sidney E. Grow, Frank. Lee, Howard. Snyder, Andy B. McFern, Arthur. Johnson, Harold. Emmerton, Alfred. Farrill, Raymond. Stewart, Francis. Barnett, Thomas. Seitel, T. Benton. Taylor, Hope. Thacker, R. M. York, Darwin. Christenson, Howard. Asadorian, Theodore N. Nusser, George. Bitz, Vernice. Kramer, Augustus A.	6UK 6UL 6UM 6UN 6UO 6UP 6UQR 6US 6UT 6UV 6UY 6UY 6UY 6VC 6VE 6VE 6VF 6VI 6VI 6VI 6VI 6VI 6VI	Heald's Business College. Cordano, Dante H. Schack, Fred. Shaw, William. Polkinghorn, Frank, Jr. Thomson, C. E. Link, R. L. Gibson, Walter. Everard, Charles. Shaftner, Luctus. Fassett, Lee. Maynes, W. W. Everharty, Lawrence. Schelleubach, Ray. White, Richard. Gottwald, Eugene. Loudon, Donald F. Beraldo, Dewey. Leigh, P. P. Fowler, L. D. Blackstone, C. M. Pressell, W. R. Kinsman, Jos. W. Kemp, Victor. Bell, Oran M. Clark, Herbert.	6VS 6VT 6VV 6VY 6VZ 6WB 6WB 6WD 6WB 6WB 6WD 6WB 6WG 6WD 6WG 6WG 6WH 6WI 6WI 6WD 6WG 6WG 6WG 6WG 6WG 6WG 6WG 6WG	Brundige, Reginald. Schleicher, Lorenz. Vonderheide, Harold H. Wallace, Forrest. Kreiss, R. L. Strawn, Harold.  Van Why, Forbes. Moller, Wm., jr. Kirby, H. F. Martinelli, Ennio Hiller. Tulp, Ralph. Ford, Walter B. Strong, William A. Fabling, W. D. Powell, Jos. Bickel, John. Nickels, Lee. Leland, Wallace. Ludlow, William. Klem, Cleve. Walters, W. E. Brown, N. C. Cowles, John. Spare, Wilson. Schneider, W. P. Mann, Frank. Weddell, Clarence.
6UH 6UJ	Gates, Howard. Helmer, Glenn. Day, E. C.	6VO 6VP 6VR	Lee, John. Redmond, Joseph. Sisson, W. L.	6WX 6WY 6WZ	Ebert, William. Young, William. Berringer, Hall.

#### SEVENTH DISTRICT.

Headquarters: Federal Building, Seattle, Wash. The seventh district comprises the States of Oregon, Washington, Idaho, Montana, Wyoming, and the Territory of Alaska.]

## ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.		
			Kw.	
7KH	Adams, Alfred L	Silverton, Oreg	0.	
7EA	Adams, Edison	1131 South E St., Tacoma, Wash		
7KK	Adams, Le Roi T	364 Monroe St., Portland, Oreg.		
7DE	Aiken, Robert L	306 W. Mohawk St., Portland, Oreg.		
70F	Allard, Ambrose	Evanston, Wyo		
7LC	Anderson, Leonard	218 9th Ave., N., Seattle, Wash	1.	
7HA	Andrews, Horton R	2105 45th St., SW., Seattle, Wash		
7KJ	Armstead, James H	109 Cherry St., Centralia, Wash	1.	
7BJ	Baillargeon, George J	St. Martin's College, Lacey, Wash		
7FD	Bancroft, Harvey	3024 Kromer Ave., Everett, Wash		
7JA	Barnhisel, Howard			
7BU	Barrell, Dana A		1.	
7LS	Barrett, George G		1.	
7BF	Bay, Frank W	1513 Adams Ave., La Grande, Oreg		
7BL	Bennett, John S	419 Karr Ave., Hoquiam, Wash		
7QD	Benoit, Neville R	869 S. 41st St., Tacoma, Wash		
7VB	Bird, Vernon J	406 W. 12th St., Vancouver, Wash		
7BA	Bishoff, Clarence L	7417 53d Ave. SE., Portland, Oreg		
7DJ	Blagen, Henry W		1.	
7PC	Boardwell, Perry L	Camas, Wash		
70K	Bode, Hugo P	6315 Beacon Ave., Seattle, Wash		
7DB	Bolstad, Archie L	1832 4th Ave., W., Seattle, Wash		
7TB	Borders, Lawrence	1084 Water St., Portland, Oreg		
7BT	Boslar, Orin E	Vancouver, Wash		
7HB	Breum, Helmer O	3416 S. Madison St., Tacoma, Wash	1.	
7GB	Butterfield, George H	815 Kearney St., Portland, Oreg	1	

## SEVENTH DISTRICT—Continued.

Call ignal.	Owner of station.	Location of station.	
			Kw
MK CT	Callender, Melville H. Carpenter, Edward L., jr. Carroll, Thomas M. Cates, Walter C. Cavender, Howard M.	593 15th St., Astoria, Oreg 119 E. 5th St., Aberdeen, Wash. 1913 E. Alder St., Seattle, Wash. 1704 Franklin St., Vancouver, Wash. 511 Terry Ave., Seattle, Wash. 3637 Woodland Park Ave., Seattle, Wash. 108 Galer St., Seattle, Wash. 112 W. Poplar St., North Yakima, Wash. Lents, Oreg. Greybull, Wyo. 1221 E. Madison St. Portland. Oreg.	
CT	Carpenter, Edward L., ir.	119 E. 5th St., Aberdeen, Wash	1.4
HE	Carroll, Thomas M	1913 E. Alder St., Seattle, Wash	100
HE WC LI QF	Cates Walter C	1704 Franklin St. Vancouver Wash	
7.7	Covender Howard M	511 Torry Ave Scottle Week	
OT	Choffee Arthur T	2627 Woodland Dork Are Coattle Week	113
ST.	Chance, Arthur L	3037 Woodland Park Ave., Seattle, Wash	
N.A.	Charlton, Chase	108 Galer St., Seattle, Wash	
Q CV	Christianson, Herbert	112 W. Poplar St., North Yakima, Wash	1
CV	Clark, G. Warren	Lents, Oreg	
AE	Clark, Gaylord S	Greybull, Wyo	1-00
NC	Clodfelter, Nolan A	1221 E. Madison St., Portland, Oreg	1
RC.	Cook, Richard H	324 North I St., Tacoma, Wash. 1420 Division Ave., Tacoma, Wash. 1420 Hawthorne Ave., Portland, Oreg.	
EI	Craig, Russell E	1420 Division Ave., Tacoma, Wash	
DC	Crockett, George D	1420 Hawthorne Ave., Portland, Oreg	
CA	Crosby, Edward J.	508 E. Sharp Ave., Spokane, Wash	138
HC	Cutting H. Everett	318 N. Black Ave. Bozeman Mont.	1-0
AC	Dailey A C	3015 Colby St. Everett Wash	1.00
DP	Donn Porov W	6215 62d Ave CF Portland Oreg	100
HD	Davie Hubort A	1004 Canas Pl Sasttle Week	100
	Clodfelter, Nolan A. Cook, Richard H. Craig, Russell E. Crockett, George D. Crosby, Edward J. Cutting, H. Everett. Dailey, A. C. Dann, Percy W. Davis, Hubert A. Deady, Joseph.	1000 F Tofferson St Souttle Wesh	
T	Deady, Joseph De Guire, Olfan De Lacy, Clinton Denham, Ray A Divine, Louis R Drake, Edward F Drinker, Russell	1420 Hawkindrie Ave., Fortland, Oreg. 508 E. Sharp Ave., Spokane, Wash. 318 N. Black Ave., Bozeman, Mont. 3915 Colby St., Everett, Wash. 6315 63d Ave., SE., Portland, Oreg. 1904 Canoe Pl., Seattle, Wash. 1002 E. Jefferson St., Seattle, Wash. Silverton Oreg.	
D D	De Guire, Olian	1002 E. Jenerson St., Seattle, Wash Silverton, Oreg. 1906 South J St., Tacoma, Wash 3230 Campbell St., Baker, Oreg. 1010 E. 7th St., Vancouver, Wash. 2304 N. Anderson St., Tacoma, Wash. 1003 Lynn Ave., Portland, Oreg.	1
U U	De Lacy, Clinton	1900 South J St., Tacoma, Wash	
EG EM	Denham, Ray A	3230 Campbell St., Baker, Oreg	-
CM	Divine, Louis R	1010 E. 7th St., Vancouver, Wash	
OK OQ	Drake, Edward F	2304 N. Anderson St., Tacoma, Wash	
Q.	Drinker, Russell	1003 Lynn Ave., Portland, Oreg	111
VD NB	Du Cette, Victor  Duncan, Thomas W.  Dupea, Eldred E.	4023 Meridian Ave., Seattle, Wash	
VB.	Duncan, Thomas W	802 Gerald Ave., Missoula, Mont	
T	Dupea, Eldred E	707 S. Cushman Ave., Tacoma, Wash	1
INT	Emigh, Charles	335 Grove St. Walla Walla Wash	100
OT CN ON	Engholm, Bernard	0 N Oth Ave North Volving Wesh	1111
F	Farris, Frank E	1010 Spring St Olympia Wash	100
w	Fitamotriols Coorge	2045 Fordinand St. Scottle Week	1
VVV	Fitzpatrick, George.	1107 West A Ct. North Walliam West	
FI FK	Fraser, James E	1105 West A St., North Yakima, Wash	100
K	Fraser, James E. Gale, Charles W. Gianelli, Salver A.	III E. 48th St., Portland, Oreg	
G	Gianelli, Salver A	517 E. Sharp Ave., Spokane, Wash	
F	Gibbs, Francis F Goodner, Ernest F Goodger, Donnan P Gratke, Charles E	1003 Lynn Ave., Portland, Orég 4023 Meridian Ave., Seattle, Wash 802 Gerald Ave., Missoula, Mont 707 S. Cushman Ave., Tacoma, Wash 3035 Grove St., Walla Walla, Wash 9 N. 9th Ave.; North Yakima, Wash 1010 Spring St., Olympia, Wash 3245 Ferdinand St., Seattle, Wash 1105 West A St., North Yakima, Wash 111 E. 48th St., Portland, Oreg 517 E. Sharp Ave., Spokane, Wash 512 E. 4th St., Hood River, Oreg Lincoln High School, Seattle, Wash 4214 Interlake Ave., Seattle, Wash 517 Grand Ave., Astoria, Oreg	
NL OI	Goodner, Ernest F	Lincoln High School, Seattle, Wash	
OI	Goodger, Donnan P	4214 Interlake Ave., Seattle, Wash	
3R	Gratke, Charles E	517 Grand Ave., Astoria, Oreg	
ND	Grush, David R	383 19th St., Astoria, Oreg	100
30	Grush, David R Hagen, Bert W. R. Hager, Clement S	217 N. Miles Ave., North Yakima, Wash	
RI	Hager, Clement S	1019 E. 54th St., Tacoma, Wash	1
J	Harder, Louis	360 Hancock St., Portland, Oreg.,	
Ī	Harding James R	3431 Commercial St., Salem, Oreg	
ζC	Harker Theodore C	920 Sumner St. Sheridan Wyo	
TE	Hawking Edward K	1800 27th Ave S Seattle Wash	
EE HO	Howkins, Edward R	556 Grand Ava Actoria Orag	1
IQ	Harden Henry T ir	Port Townsond Wosh	
16	Halfort Forla B	707 Lincoln St. Port Townsond Week	1
C	Harder, Louis Harder, James R Harker, Theodore C Hawkins, Edward K Hawkins, Ernest P Hayden, Henry T, Jr Heffort, Earle R Henny, George C Holloway, William L  ir	517 Grand Ave., Astoria, Oreg. 383 19th St., Astoria, Oreg. 217 N. Miles Ave., North Yakima, Wash. 1019 E. 54th St., Tacoma, Wash. 360 Hancock St., Portland, Oreg. 3433 Commercial St., Salem, Oreg. 920 Summer St., Sheridan, Wyo. 1800 27th Ave. S., Seattle, Wash. 556 Grand Ave., Astoria, Oreg. Port Townsend, Wash. 707 Lincoln St., Port Townsend, Wash. 530 Heights Ter., Portland, Oreg. 428 Hemlock St., Helena, Mont. 807 4th St., La Grande, Oreg.	
TU	Helliny, George C	400 Herslack Ct. Helena Mant	1
FN FS	Holloway, William L., jr Horstman, Herschel J. Howard, Cecil C.	907 4th Ct. To Cronds Once	
0	Horstman, Herschel J	807 4th St., La Grande, Oreg. 408 Benton St., Portland, Oreg. 518 Willow St., Port Townsend, Wash. 1067 E. Burnside St., Portland, Oreg. 301 N. 32d St., Seattle, Wash. 1004 N. Adams St., Tacoma, Wash. 507 Prospect Ave., Lewiston, Idaho. 134 E. 45th St., Portland, Oreg. Wheatland, Wyo.	
3Q	Howard, Cecil C	408 Benton St., Portland, Oreg	
FP.	Hunter, Guy A. Hurtt, John N. Ives, Jesse F. Johnson, Clifford E.	518 Willow St., Port Townsend, Wash	
H	Hurtt, John N	1067 E. Burnside St., Portland, Oreg	
CK	Ives, Jesse F	301 N. 32d St., Seattle, Wash	100
T	Johnson, Clifford E	1004 N. Adams St., Tacoma, Wash	
P	Jolly, Charles W	507 Prospect Ave., Lewiston, Idaho	
P L PJ	Jones, Lloyd W	134 E. 45th St., Portland, Oreg.	
J	Jones, Paul.	Wheatland, Wyo	
T	Josephson Carl T.	638 Commercial St. Astoria Oreg	1
3V	Toyce Theodore W	206 E. 19th St. N. Portland, Oreg	
7 D	Johnson, Chifford E. Jolly, Charles W. Jones, Lloyd W. Jones, Paul Josephson, Carl L. Joyce, Theodore W. Keefe, Robert M. Kainath Alvin	Wheatland, Wyo. 638 Commercial St., Astoria, Oreg. 206 E. 19th St. N., Portland, Oreg. 121 Avenue D. Snohomish, Wash 246 Going St., Portland, Oreg.	
CR BO	Weineth Alvin	246 Coing St. Portland Orog	
77 T		Tillomook Orog	
VJ	Kennedy, William Kertson, Ross J	1 Hamook, Oreg	
RK	Kertson, Ross J	3224 E. ZSIII St., Portland, Oreg	1
WK KO PV	Keyes, John A. Kleist, Walter A. Koehler, Frank A. Kraft, Vincent I.	1004 North K St., Tacoma, Wash	-
WK	Kleist, Walter A	902 S. Yakima Ave., Tacoma, Wash	
02	Koehler, Frank A	603 E. Davis St., Portland, Oreg	1
V	Kraft, Vincent I	4745 N. 11th Ave., Seattle, Wash	-
K		733 E. 38th Ave., Spokane, Wash	
VI	Larson, Elwood A Learned, George H	246 Going St., Portland, Oreg. Tillamook, Oreg	
rQ.	Lewis Harold H	Forest Grove, Oreg. R. F. D. No. 2, Lewiston, Idaho. 506 Mill St., Portland, Oreg. Evanston, Wyo.	
FL	Ling Frank Mov	506 Mill St. Portland, Oreg	
	Ling, Flank Moy	OUG MAIN DUTY I DI DIGHTU, DIDS	

#### SEVENTH DISTRICT-Continued.

gnal.	Owner of station.	Location of station.	
			Kw.
IL	Ludgate, Wallace, jr Lunan, Leslie	408 32d St. S., Tacoma, Wash	0
LU	Ludgate, Wallace, ir	2190 Alki Ave., Seattle, Wash.	
L	Lunan, Leslie	806 South M St., Tacoma, Wash	
N	Lyman, Rollo Mahan, Le Roy J. Mahler, Harold E.	806 South M St., Tacoma, Wash	
B	Mahan, Le Roy J	644 Exchange St., Astoria, Oreg. 4730 20th Ave. NE., Seattle, Wash. 2922 S. Adams St., Tacoma, Wash. 1816 E. Jefferson St., Seattle, Wash.	1
K	Mahler, Harold E	4730 20th Ave. NE., Seattle, Wash	j
T	Matthews, Harold L	2922 S. Adams St., Tacoma, Wash.	
L	Manca Angolo C	1816 E. Jefferson St., Seattle, Wash.	
[Q	Marquis, A. N., jr. Mason, Dwight A. Mason, Howard F.	1816 E. Jefferson St., Seattle, Wash. 618 Spring St., Seattle, Wash. 817 N. 13th St., Tacoma, Wash. 3566 Morgan St., Seattle, Wash. 104 Depot St., Milton, Oreg. 251 St. Clair St., Portland, Oreg. 116 N. Washington Ave., Centralia, Wash. 303 26th Ave., Seattle, Wash. 301 N. Grand Ave., Bozeman, Mont. Spileton, Wash.	
L	Mason, Dwight A	817 N. 13th St., Tacoma, Wash.	
IL	Mason, Howard F	3566 Morgan St., Seattle, Wash.	
A W U	Maybee, Loren C. McCord, David T. W. McCoy, Harry. McDermott, Thomas H.	104 Depot St., Milton, Oreg.	
W	McCord, David T. W	251 St. Clair St., Portland, Oreg.	
U	McCov, Harry	116 N. Washington Ave., Centralia, Wash	
U	McDermott, Thomas H	339 26th Ave., Seattle, Wash	
P	MCEIWEE, James	301 N. Grand Ave., Bozeman, Mont	1
D	McKinnon Daniel	Spiketon, Wash	
J	Mead, Walter J	Nehalem, Oreg	
J	Miller, Clinton E	394 11th St., Portland, Oreg	
M	Mead, Walter J. Miller, Clinton E. Miller, E. Clarence. Miller, George C.	504 E. Republican St., Seattle, Wash	1
F	Miller, George C	1005 E. Division Lane, Tacoma, Wash	
M	Minkler, Darrell	9 Mistletoe St., Medford, Oreg.	
W	Minkler, Darrell Mitchell, Walter L	3613 Densmore Ave., Seattle, Wash	
G F	Moe. George	Nenalem, Oreg. 394 11th St., Portland, Oreg. 504 E. Republican St., Seattle, Wash. 1005 E. Division Lane, Tacoma, Wash. 9 Mistletoe St., Medford, Oreg. 3613 Densmore Ave., Seattle, Wash. 4118 Tyler St., Tacoma, Wash. 634 E. 56th St., Portland, Oreg. Queene Anne High School, Seattle, Wash. Rathdrum Idaho.	
F.	Moore, Alvin Moore, E. H. Nelson, Julius F.	634 E. 56th St., Portland, Oreg	
N	Moore, E. H	Queene Anne High School, Seattle, Wash	
N K N	Nelson, Julius F	Rathdrum, Idaho. 3115 S. 7th St., Tacoma, Wash. 4028 East K. St., Tacoma, Wash. Snohomish, Wash. 137 79th St., Seattle, Wash.	
N	Nicholson W Otto	3115 S. 7th St., Tacoma, Wash	
H	Nilsen, George A Noel, Lionel S Norman, Stacy W	4028 East K St., Tacoma, Wash	
D	Noel, Lionel S	Snohomish, Wash	
N	Norman, Stacy W	137 79th St., Seattle, Wash	
IN A	O'Connell, John		
A M	O'Connell, John O'Connor, William C Ormsby, Major Palmer, Robert S.	1029 E. Clackamas St., Portland, Oreg	
M	Ormsby, Major	438 S. Center St., Casper, Wyo 1321 Columbia St., Hood River, Oreg	1
K L P	Palmer, Robert S	1321 Columbia St., Hood River, Oreg	
D	Patterson, Fred	865 Williams Ave., Portland, Oreg. 4916 Wallingford Ave., Seattle, Wash.	
P	Peek, Loyd A	4916 Wallingford Ave., Seattle, Wash	
N	Peterson, Edward T	718 E. Ash St., Portland, Oreg	
P	Pinkman, Herbert N	1330 8th Ave., Seattle, Wash	
P	Pitner, Vearl	718 E. Ash St., Portland, Oreg. 1330 8th Ave., Seattle, Wash 4118 S. Grand Blvd., Spokane, Wash Wallowa, Oreg.	
P	Poole, Orell A	Wallowa, Oreg	
P	Patmer, Kobert S. Patterson, Fred. Peek, Loyd A. Peterson, Edward T. Pinkman, Herbert N. Pitner, Vearl. Poole, Orell A. Ralston, Graham W. Ramsay, James S. Rasmussen, Vigro P.	Wallowa, Oreg. Port Townsend, Wash. 215 E. 9th St., Ellensburg, Wash. 1215 Hudson St., Port Townsend, Wash. 2028 6th Ave., Seattle, Wash. 412 South K St., Tacoma, Wash. 1014 E. 30th St., Tacoma, Wash. 1014 E. 30th St., Tacoma, Wash. 143 Matte St., Meaderville, Mont. 905 S. Jersey St., St. Johns, Oreg. 717 Lynn Ave., Portland, Oreg. 267 9th St., Astoria, Oreg. 706 Dakota St., Medford, Oreg. 930 S. 13th St., Salem, Oreg. 525 Federal Ave., Seattle, Wash. 415 9th Ave. S., Pocatello, Idaho. 501 M St., Hoquiam, Wash. Deer Lodge, Mont.	
F	Ramsay, James S. Rasmussen, Viggo P. Ray, James. Reeder, Ardis H Reichert, Howard G. Richards, John, Jr. Root, Charles W. Rose, Donald W. Rosed, Archie F.	1915 Hudgen St. Bort Townsond Week	
5	Por Tomos	2000 6th Are Scottle Wesh	
Q	Poodor Ardia U	419 South W.St. Tagoma Wash	
Ř	Poishort Howard C	1014 E 20th Ct. Tacoma, Wash	
V	Picharda John in	142 Motto St. Mondowyillo Mont	
V	Poot Charles W	005 C Torgov Ct St Tohng Orga	
N	Rose Donald W	717 Lynn Ave Portland Oreg	
N P	Rosedale, Archie E	267 Oth St Astoria Oreg	
D	Runyard A Don	706 Dakota St. Medford Oreg	
R	Rush Floyd M	930 S 13th St Salem Oreg	
F	Runyard, A. Don. Rush, Floyd M. Rybert, Roy E. Samms, Philip C. Sambor, Nod.	525 Federal Ave. Seattle Wash	
P	Samms, Philip C	415 9th Ave. S. Pocatello, Idaho	1
S	Sanborn, Ned. Schurch, Edward C. Smeak, Earl. Sparks, A. Eldon.	501 M St., Hoguiam, Wash	
D	Schurch, Edward C	Deer Lodge, Mont	
K	Smeak Earl	490 Morrison St., Portland, Oreg	
3	Sparks, A. Eldon	1029 Walnut St., Baker, Oreg	1
E	Spencer, Guy E	446 6th St., Portland, Oreg	
S	Sparrow, William T	932 W. 63d St., Seattle, Wash	
3	Spike, Clifford	806 South I St., Tacoma, Wash	
R	Spiker, Emmet E.	715 10th St., Lewiston, Idaho	
8	Starr, Eugene C	501 M St., Hoquiam, wash.  Deer Lodge, Mont.  490 Morrison St., Portland, Oreg.  1029 Walnut St., Baker, Oreg.  446 6th St., Portland, Oreg.  932 W. 63d St., Seattle, Wash.  806 South I St., Tacoma, Wash.  715 10th St., Lewiston, Idaho.  Falls City, Oreg.  906 N Nachez Ave. North Yokima, Wash.	
S	Steensen, Mark D. S.	206 N. Nachez Ave., North Yakima, Wash	1
V	Stenso, Alvin	1922 South J St., Tacoma, Wash	
	Stewart, Glenn R	111 W. 8th St., Ellensburg, Wash	
L	Sparks, A. Eldon Spencer, Guy E. Sparrow, William T Spike, Clifford Spiker, Emmet E. Starr, Eugene C. Steensen, Mark D. S Stenso, Alvin Stewart, Glenn R Stinson, Leo Stoner, Lloyd E Swan, Emil Teeson, Robert	1922 South J St., Tacoma, Wash. 111 W. 8th St., Ellensburg, Wash. 2428 Pacific Ave., Hoquiam, Wash. R. F. D. No. 1, Astoria, Oreg. 1461 Portsmouth Ave., Portland, Oreg.	
F	Stoner, Lloyd E	R. F. D. No. 1, Astoria, Oreg.	
W	Swan, Emil	1461 Portsmouth Ave., Portland, Oreg.	
H	Teeson, Robert	Camas, Wash	
	Tennican, Leonard S.	4016 Colby Ave., Everett, Wash	
H			1
F	Tingstad, Anton R	2128 S. Wilkeson St., Tacoma. Wash	
H F R	Tennican, Leonard S. Tingstad, Anton R. Tolmie, Mack R. Trapeur, Robert E. Truesdell, Herbert M.	Camas, Wash.  4016 Colby Ave., Everett, Wash.  1218 S. Wilkeson St., Tacoma, Wash.  1213 Columbia St., Seattle, Wash.  909 Madison St., Port Townsend, Wash.  2730 E. 53d St., Seattle, Wash.	

## SHVENTH DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Power.
7FP 7JU 7VN 7VN 7WR 7KM 7SI 7WA 7MA 7BW 7DW 7DW 7JW 7LW 7LW 7LW 7LW 7LW	Trumbull, William L. Tuerck, John K. Van Olinda, Oliver S. Vreeland, Thad. Walling, Raymond. Watkins, Leslie W. Weagle, S. A. White, Lester T. White, Ruel. Wiley, Irving R. Wilkinson, Albert E. Williams, Charles E. Williams, Charles E. Willson, Herbert A. Wilson, John C. Wollaston, Arthur L. Wright, Raymond F. Young, Farrel.	R. F. D. No. 1, Vashon, Wash. 210 Graham Ave., Portland, Oreg 946 S. 12th St., Salem, Oreg. Wheatland, Wyo. 2006 Cove Ave. La Grande, Oreg 1090 Water St., Portland, Oreg. 313 W. 4th St., Vancouver, Wash. 1214 East Madison St., Portland, Oreg Y. M. C. A. Bldg., Baker, Oreg. 8326 13th Ave. NW., Seattle, Wash. 1316 Columbia St., Seattle, Wash. 365 14th St., Astoria, Oreg. 221 N. 11th Ave., Seattle, Wash. R. F. D., Port Orchard, Wash.	1.

## ALPHABETICALLY BY CALL SIGNALS.

Call signal.  Owner of station.  Call signal.  Call showly signal.  Owner of station.  Call showly signal.  Owner of statio				·		,
7AE Clark, Gaylord S. 7AF Moore, Alvin. Moe, Edwin C. 7DV Moe, Edwin C. 7DV Moe, Edwin C. 7DW Moe, Edwin C. 7DW Johnson, Clifford E. Rosendale, Archie E. 7AT Deady, Joseph. 7AU Wilkinson, A. E. 7AU		Owner of station.		Owner of station.		Owner of station.
7AE Clark, Gaylord S. 7AF Moore, Alvin. Moe, Edwin C. 7DV Moe, Edwin C. 7DV Moe, Edwin C. 7DW Moe, Edwin C. 7DW Johnson, Clifford E. Rosendale, Archie E. 7AT Deady, Joseph. 7AU Wilkinson, A. E. 7AU	74.0	Deller A C	77000	Duman Fldand C	2111	Huntt John M
7AF 7AG Moe, Edwin C. 7AI Moe, Edwin C. 7AP Rosendale, Archie E. 7AP Rosendale, Archie E. 7AV Wilkinson, A. E. 7AU Wilkinson, A. E. 7AV Wilkinson, A. E. 7AV Rosendale, Archie E. 7AV Wilkinson, A. E. 7AV Wilkinson, A. E. 7AV Wilkinson, A. E. 7AV Rosendale, Archie E. 7AV Wilkinson, A. E. 7AV Wilkinson, A. E. 7AV Rosendale, Archie E. 7AV Wilkinson, A. E. 7AV Wilkinson, A. E. 7AV Rosendale, Archie E. 7AV Rosendale, Archie L. 7AV Wilkinson, A. E. 7AV Wilkinson, A. E. 7AV Rosendale, Archie L. 7AV Wilkinson, A. E. 7AV Rosendale, Archie L. 7AV Rose		Dalley, A. C.	12 T	Dupes, Elarea C.		Hurtt, John N.
7AG AJ Johnson, Clifford E. 7AP Rosendale, Archie E. 7AP Rosendale, Archie E. 7AP Rosendale, Archie E. 7AV Wilkinson, A. E. 7AV Wilkinson, A. E. 7AV Rock, Charles W. 7EB Rock, Charles W. 7EB Rock, Charles W. 7EH Noorlin, Paul V. 7JR Roy, James. 7JR Roy, Johnson, A. E. 7EH Noorlin, Paul V. 7JR Roy, James. 7JR Roy, Johnson, Carles W. 7EH Noorlin, Paul V. 7JR Roy, James. 7JR Roy, Ja	74.10			Change Harry.		
7AI Johnson, Clifford E. 7AP Rosendale, Archie E. 7AP Rosendale, Archie E. 7AT Deady, Joseph. 7EE Hawkins, Edward K. 7IP Jolly, Charles W. 7IB Denham, Ray A. 7IR Ray, James B. 7III Jolly, Charles W. 7EE Hawkins, Edward K. 7IP Jolly, Charles W. 7IP Jolly, Char		Moore, Alvin.		Bleard, Harold P.		
7AP Deady, Joseph. 7AU Wilkinson, A. E. 7AV Root, Charles W. 7AU Wilkinson, A. E. 7AU Wilkins			7DW	Willis, Cecil D.		
7AU Wilkinson, A. E. 7AU Milkinson, Mark Matthews, Harold E. 7AU Milkinson, Mark Matthews, Harold M. 7AU Milkinson, Mark Matthews, Harold M. 7AU Milkinson, Mark Matthews, Clodefeter, Nolan A. 7AU Milkinson, Mark Matthews, Clodefeter, Nolan A. 7AU Milkinson, Mark Matthews, Malane d. 7AU Milkinson, Mark Matthews, Languard G. 7AU Milkinson, Mark Matthews, Malane d. 7AU Milkinson, Mark Matthews, Harold M. Milkinson, Davight A. 7AU Markins, Ernest P. 7AU Milkinson, Mark Matthews, Harold M. Milkinson, Davight A. 7AU Markins, Ernest P. 7AU Milkinson, Mark Matthews, Harold M. Milkinson, Percy W. 7AU Markinson, Marki	ZAI	Johnson, Cimord E.	e-T2 T3	G-11		Richards, John, jr.
7AV Wikinson, A. E. 7EH Noorlin, Paul V. 7EI Vres, Louis R. 7JS Tuerck, John K. 7EH Noorlin, Paul V. 7EI Vres, Jesse F. 7JU Tuerck, John K. 7EN Rose, Donald W. 7EP Peterson, Edward T. 7K1 Adams, Alfred L. 7K1 Adams, Alfred L. 7K2 Young, Farrel. 7K1 Adams, Alfred L. 7K3 Adams, LeRoy F. 7K6 Adams, Alfred L. 7K1 Armstead, James H. 7K6 Adams, LeRoy F. 7K7 Adams, LeRoy F. 7K6 Adams, LeRoy F. 7K6 Adams, LeRoy F. 7K7 Adams, LeRoy F. 7K8 Adams, LeRoy		Rosendale, Archie E.		Galloway, Walter H.		Jony, Charles W.
7AV Root, Charles W.  7BA Bischoff, Clarence L. 7BF Bay, Frank W. 7BI Bennett, John S. 7BN Rose, Donald W. 7EN O'Connell, John. 7EP O'Connell, John. 7EP Gris, Frank E. 7EV Young, Farrel. 7EX Tyoung, Farrel.	7AT	Deady, Joseph.		Hawkins, Edward K.	71Q	Ray, James.
7BA Bischoff, Clarence L. 7EK   Craig, Russell R. 7JU   Tuerck, John K. 7BF   Bay, Frank W. 7EN   Commell, John B. 7EN   Commell, John B. 7EP   Peterson, Edward T. 7KI   Armstead, James H. 7KK   Adams, Alfred L. 7KK   Adams, LeRoy F. 7KK   Adams, LeRoy				Denham, Ray A.		
Table   Bischoff, Clarence   L.   Table   Ta	7A V	Root, Charles W.		Noorlin, Paul V.	718	Ramsey, James 8.
7BL Bennett, John 8. 7BL Rose, Donald W. 7BO Keinath, Alvin. 7BQ Howard, Ceefi C. 7BT Boslar, Orin E. 7BV Joyce, Theodore W. 7BV Joyce, Theodore W. 7BV Joyce, Theodore W. 7BU Barrell, Dans A. 7FF Frais, Frank E. 7FJ Fraser. James E. 7FJ Gale, Charles W. 7FL Ling, Frank Moy. 7CD Delancey, Clinton. 7CJ Josephson, Carl L. 7CK Larson, Elwood A. 7CN Emigh, Charles. 7CP McElwee, James. 7CP McElwee, James. 7CC Carpenter, Edw. L., 7CC Carpenter, Edw. L., 7CC Carpenter, Edw. L., 7CC Carpenter, Edw. L. 7CC Carpenter, Edw. L. 7CC Carpenter, Edw. L. 7CC Carpenter, Edw. L. 7CC Cark, G. Warren. 7CD DE Bolstad, Archie L. 7CC Carpenter, Edw. L. 7CC Ca				Craig, Russell R.	7JU	Tuerck, John K.
7BL Bennett, John S. Rose, Donald W. Kenath, Alvin. 7BO Kenath, Alvin. 7BO Kenath, Alvin. 7BU Boslar, Orin E. Barrell, Dana A. Joyce, Theodore W. 7FF Barrell, Dana A. Joyce, Theodore W. 7FF Faris, Frank E. 7FJ Fraser. James E. 7FJ Fraser. James E. 7FJ Josephson, Carl L. 7FQ Lewis, Harold H. 7LI Carpenter, Edward J. 7CC Larson, Elwood A. 7FF Rush, Horstman, Herbert N. 7CC Spike, Clifford. 7GC Henny, George C. 7GE Spike, Clifford. 7GC Henny, George C. 7GE Globs, Francis F. 7GL Henry, George C. 7GC Henry, Ge	7BA			Ives, Jesse F.		
7BN Reinsth, Alvin. 7BQ Keinsth, Alvin. 7BQ Howard, Cecil C. 7BT Boslar, Orin E. 7BV Joyce, Theodore W. 7BW Joyce, Theodore W. 7CA Crosby, Edward J. 7CD Delancey, Clinton. 7CD Delancey, Clinton. 7CD Josephson, Carl L. 7FP Trumbull, Wm. L. 7FF Rush, Floyd M. 7FR Rush, Floyd M. 7FR Rush, Floyd M. 7FS Spike, Clifford. 7FS Rush, Floyd M. 7FD Spike, Clifford. 7FS Gale, Charles W. 7FD Spike, Clifford. 7FC Gale, Charles W. 7FD Spike, Cliffo			7EM	Divine, Louis R.	7KC	
The Composition of the content of	7BL			O'Connell, John.		Adams, Alfred L.
The Composition of the content of	7BN	Rose, Donald W.		Peterson, Edward T.		Harrington, H. O.
TBQ Boslar, Orin E. Boslar, Orin E. Boslar, Orin E. Gale, Charles W. TKM Watkins, Lealle W. TKM Williams, Charles E. TFI Miller, Clinton E. Gale, Charles W. Tkm Moet, Length M. Tkeefe, Robert		Keinath, Alvin.	7EY	Young, Farrel.	7KJ	Armstead, James H.
7BV Barrell, Dana A. Jovee, Theodore W. Williams, Charles E. 7FJ Farser, James E. Miller, Clinton E. Gale, Charles W. Williams, Charles E. 7FJ Freed, Larson, Elwood A. 7CN Delancey, Clinton. 7FP Ling, Frank Moy. 7LD Noel, Lionel S. 7CD Delancey, Clinton. 7FP Ling, Frank Moy. 7LD Noel, Lionel S. 7CD Delancey, Clinton. 7FP Ling, Frank Moy. 7LD Noel, Lionel S. 7LD White, Lester T. 7LI Cavender, Howard M. 7FR Rush, Floyd M. 7LJ TLL Lyman, Leslie. 7CP McElwee, James. 7GB Butterfield, Geo. H. 7LL Lyman, Rollo. 7LL Ly	7BQ	Howard, Cecil C.	ı	•	7KK	
7BV Jovee, Theodore W. Williams, Charles E. 7FJ Faris, Frank E. 7FM Williams, Charles E. 7FJ Farser. James E. 7KR Keefe, Robert M. 7EV Williams, Charles E. 7FJ Fil Farser. James E. 7KR Keefe, Robert M. 7EV Milliams, Charles E. 7FJ Fil Farser. James E. 7KR Keefe, Robert M. 7EV Miller, Clinton E. 7EV Ling, Frank Moy. 7TLD Noel, Lionel S. 7LD White, Lester T. 7LI Cavender, Howard M. 7EN Larson, Elwood A. 7FR Rush, Floyd M. 7LI Turnbull, Wm. L. 7LI Cavender, Howard M. 7FR Rush, Floyd M. 7LI Cavender, Maller, Junian Rush, Robert Leon. 7GE Rush, Robert Leon. 7GR Rush, Floyd M. 7LI Callender, Meller, George C. 7LI Cavender, Meller, Leon. 7LI Cavender, Meller, Leon. 7LI Cavender, Meller, Leon. 7LI Cavender, Meller, Leon. 7LI Cavender, Meller, George C. 7LI Cavender, Meller, Leon.	7BT	Boslar, Örin E.	7FD	Bancroft, Harvey.	7KM	Watkins, Leslie W.
7BW Williams, Charles E. 7FJ Miller, Clinton E. 7GL Crosby, Edward J. 7FFJ Gale, Charles W. 7TL Gale, Charles W. 7TL Ling, Frank Moy. 7LF White, Lester T. 7CK Larson, Elwood A. 7FR Trumbull, Wm. L. 7LF White, Lester T. 7CK Larson, Elwood A. 7FR Horstman, Herschel J. 7FR Horstma		Barrell, Dana A.	7FF	Faris, Frank E.	7K0	Koehler. Frank.
7BW Williams, Charles E. 7CA Crosby, Edward J. 7CD Delancey, Clinton. 7CJ Josephson, Carl L. 7CK Larson, Elwood A. 7CN Emigh, Charles. 7CP McElwee, James. 7CQ Christianson, Herbert. 7CC Spike, Clifford. 7CT Carpenter, Edw. L., 7CT Carpenter, Edw. L., 7CT Carpenter, Edw. L., 7DB Bolstad, Archie L. 7DB Bolstad, Archie L. 7DC Crockett, George D. 7DB Aiken, Robert Leon. 7DB Goodger, Donnan. 7DD Goodger, Donnan. 7DD Blagen, Henry W. 7DD Drake, Edward F. 7DL Mason, Dwight A. 7DD Minkler, Lee D. 7DD Dann, Percy W. 7DA Minkler, Lee D. 7DA	7BV	Joves, Theodore W.	7FI		7KR	
7CA 7CD	7BW	Williams, Charles E.	7FJ		1	
7CA Crosby, Edward J. Delancey, Clinton. Josephson, Carl L. 7FP Trumbull, Wm. L. Josephson, Carl L. 7FP Larson, Elwood A. Emigh, Charles. 7CS Emigh, Charles. 7CS Spike, Clifford. 7CC Carpenter, Edw. L., jr. 7GC Jr. 7CV Clark, G. Warren. 7CD Bolstad, Archie L. 7CC Crockett, George D. Aiken, Robert Leon. 7DB Goodger, Donnan. 7DD Minkler, Lee D. 7DD Minkler, Lee D. 7DN Engholm, Bernard. 7DD Engholm, Bernard. 7DD Goodger, Dolnan. 7DD Engholm, Bernard. 7DD Engholm, Bernard. 7DD Dann, Percy W. 7DR Percy W.		,			7LB	Mahn, LeRoy J.
7CD Delancey, Clinton. 7CJ Josephson, Carl L. 7CK Larson, Elwood A. 7CN Emigh, Charles. 7CP McElwee, James. 7CQ Christianson, Herbert. 7CS Spike, Clifford. 7CT Carpenter, Edw. L., jr. 7CV Clark, G. Warren. 7DB Bolstad, Archie L. 7DC Crockett, George D. 7DE Aiken, Robert Leon. 7DH Tennican, Leonard S. 7DI Goodger, Donnan. 7DJ Blagen, Henry W. 7DK Mile, Lester T. 7CJ Cavender, Howard M. 7FR Rush, Floyd M. 7FR Rush, Floyd M. 7FR Rush, Floyd M. 7CI R	7CA	Crosby, Edward J.				
7CJ Josephsón, Carl L. 27FQ Lewis, Harold H. 7LI 7LI 7CK Larson, Elwood A. 7FR Rush, Floyd M. 7LJ 7LL 7CX 2DX 2DX 2DX 2DX 2DX 2DX 2DX 2DX 2DX 2D	7CD		7FP			
7CK Larson, Elwood A. FR Rush, Floyd M. TLL Lunan, Leslie. 7CP McElwee, James. 7GB McElwee, James. 7GB Butterfield, Geo. H. 7LN TLL Lyman, Leslie. 17LN Peck, Loyd A. 7LS Henny, George C. 7GE Spike, Clifford. 7GE Gerpenter, Edw. L., 7GE Glbs, Francis F. 7GL Manca, Angelo C. 7LS Bostad, Archie L. 7GP Hunter, Guy A. 7LU Ludgate, Wallace G. 7CT Crockett, George D. 7GR Grake, Charles E. 7LS Stense, Alvin. 7LW Wilaston, A. L. 7DC Crockett, George D. 7BE Aiken, Robert Leon. 7GR Goodger, Donnan. 7DD Goodger, Donnan. 7DD Blagen, Henry W. 7HD Davis, Hubert A. 7MK Mason, Dwight A. 7DK Minkler, Lee D. 7DK Minkler, Lee D. 7DN Engholm, Bernard. 7HO Bayen, Herry W. 7HO Deguire, Olian. 7DP Dann, Percy W. 7HR Refebert, Howard G. 7NC Clodfelter, Nolan A.	7CJ	Josephson, Carl L.	7FQ			
7CN Emigh, Charles. 7CP McElwee, James. 7CP McElwee, James. 7CP McElwee, James. Christianson, Herbert. Spike, Clifford. 7CS Spike, Clifford. 7CS Spike, Clifford. 7CT Carpenter, Edw. L., Jr. 7CC Clark, G. Warren. 7CD Clark, G. Warren. 7DB Bolstad, Archie L. 7DC Crockett, George D. 7DE Aiken, Robert Leon. 7DE Tennican, Leonard S. 7DI Goodger, Donnan. 7DD Blagen, Henry W. 7DK Minkler, Lee D. 7DK Minkler, Lee D. 7DM Minkler, Lee D. 7DD Dann, Percy W. 7DR Dann, Percy W. 7DR Parke, Edward F. 7DD Dann, Percy W. 7DR Clark, G. Warren. 7GB Butterfield, Geo. H. 7LN 7LN 7LN 7LN 7LN 7LN 7LN 7LN 7LN 7LS 8arrett, George G., 7LU Judgate, Wallace G. Jr. 7LN 7LN 7LN 7LN 7LN 7LN 7LN 7LN 8arrett, George G., 7LU Judgate, Wallace G. Jr. 7LN 7LN 7LN 7LN 7LN 7LN 7LN 8arrett, George G., 7LU Judgate, Wallace G. Jr. 7LN 7LN 7LN 7LN 7LN 7LN 7LN 8arrett, George G., 7LU Judgate, Wallace G. Jr. 7LN 7LN 7LN 7LN 7LN 7LN 7LN 8arrett, George G., 7LU Judgate, Wallace G. Jr. 7LN 7LN 7LN 7LN 7LN 7LN 7LN 8arrett, George G., 7LU Judgate, Wallace G. Jr. 7LN	7CK	Larson, Elwood A.	7FR		7LJ	
7CP McElwee, James. 7CP Christianson, Herbert Christianson, Herbert N. 7CS Spike, Clifford. 7CS Spike, Clifford. 7CT Carpenter, Edw. L., jr. 7CV Clark, G. Warren. 7DB Bolstad, Archie L. 7DC Crockett, George D. 7DE Aiken, Robert Leon. 7DH Goodger, Donnan. 7DH Goodger, Donnan. 7DJ Goodger, Donnan. 7DJ Blagen, Henry W. 7DK Mason, Dwight A. 7DK Minkler, Lee D. 7DK Misson, Dwight A. 7DK Minkler, Lee D. 7DK Misson, Dwight A. 7DK Minkler, Lee D. 7DK		Emigh, Charles.				Lunan, Leslie.
Corporator, Edw. L., Jr. Crockett, George D. Aiken, Robert Leon. TDB Goodger, Donnan. TDD Blagen, Henry W. Death, Edward F. TDL Mason, Dwight A. TDL Minkler, Lee D. TDD Dann, Percy W. THE Corporator, Edw. L., TDD Engholm, Bernard. TDD Dann, Percy W. THE Spike, Clifford. TGB Butterfield, Geo. H. Tor. TLO, TGB Butterfield, Geo. H. Tor. TLO, TC, GC Henry, George C. TLQ TLO, TLO, TLO, TLO, TLO, TC, GC GL, TGC Glbs, Francis F. TC, George G., TLU, Limley, Harry, TLS, TLO, TLO, TLO, TLO, TLO, TLO, TLO, TLO	7CP			,		
bert.  7CS Spike, Clifford. 7GE Spencer, Guy E. 7GF Gibbs, Francis F. 7GL Manca, Angelo C. 7CV Clark, G. Warren.  7DB Bolstad, Archie L. 7DC Crockett, George D. 7DE Aiken, Robert Leon. 7DH Tennican, Leonard S. 7DI Goodger, Donnan. 7DJ Blagen, Henry W. 7DK Drake, Edward F. 7DL Mason, Dwight A. 7DL Mason, Dwight A. 7DM Minkler, Lee D. 7DM Engholm, Bernard. 7DN Engholm, Bernard. 7DN Engholm, Bernard. 7DD Dann, Percy W. 7DR Clark, G. Warren. 7GC Spencer, Guy E. 7DR Glbs, Francis F. 7GL Manca, Angelo C. 7LV Clark, G. Warren. 7CO Hagen, Bert W. R. 7LV 7LW 7LW Wollaston, A. L. 7LV Wollaston, A. L. 7MA 7MF Maller, George C. 7MA 7MF Maller, George C. 7MJ 7MK 7MK 7ML Callender, Melville H. 7MC Andrews, Horton R. 7MJ 7MK 7MK 7MK Mason, Howard F. 7MR 7MR 7MR Siteenson, Mark. 7MR 7MR Steenson, Mark. 7MR 7MR Steenson, Mark. 7MR 7MR 7MR Steenson, Mark. 7MR 7MR Matthews, Harold. 7MR 7MR 7MR Steenson, Mark. 7MR		Christianson, Her-	7GB	Butterfield, Geo. H.	7LP	
7CS Spike, Clifford. Carpenter, Edw. L., jr. 7CV Clark, G. Warren. 7GF Glbbs, Francis F. jr. 7GV Clark, G. Warren. 7GP Manca, Angelo C. 7GP Hunter, Guy A. 7MF Miller, George C. 7MR Mason, Howard F. 7MR Mason, Howard G. 7MR Steenson, Mark. 7MR Steenson, Mark. 7MT Matthews, Harold. 7MV Mitchell, Walter. 7MR Matthews, Harold. 7MV Mitchell, Walter. 7MR Mason, Dwight A. 7MC Hawkins, Ernest P. 7MV Mitchell, Walter. 7NC Clodfelter, Nolan A.						Linsley, Harry
7CT Carpenter, Edw. L., jr. 7CV Clark, G. Warren.  7DB Bolstad, Archie L. 7DC Crockett, George D. 7DE Aiken, Robert Leon. 7DI Goodger, Donnan. 7DJ Goodger, Donnan. 7DJ Blagen, Henry W. 7DK Drake, Edward F. 7DL Mason, Dwight A. 7DM Minkler, Lee D. 7DM Minkler, Lee D. 7DN Engholm, Bernard. 7DD Engholm, Bernard. 7DD Dann, Percy W. 7DR Clark, G. Warren. 7GL Manca, Angelo C. 7LV Stense, Alvin. 7LV Wollaston, A. L. 7LW Wollaston, A. L. 7LW Wollaston, A. L. 7MA Miller, George C. 7MJ Miller, George C. 7MK Mahler, Harold E. 7MK Mahler, Harold E. 7MR Mathews, Horton R. 7ML Mason, Howard F. 7MR Spiker, Emmett E. 7MR Stenson, Mark. 7MK Mahler, Harold D. 7MR Stenson, Mark. 7MK Mahler, Harold D. 7MR Spiker, Emmett E. 7MR Matthews, Harold D. 7MR Matthews, Harold D. 7MR Matthews, Harold Mitchell, Walter. 7MC Matthews, Harold Mitchell, Walter. 7MC Clodfelter, Nolan A.	7C8	Spike, Clifford				Barrett, George G
7CV Clark, G. Warren.  7CV Clark, G. Warren.  7GO Hagen, Bert W. R. 7GP Hunter, Guy A. 7LV Wollaston, A. L.  7DC Crockett, George D. 7DE Aiken, Robert Leon. 7DH Tennican, Leonard S. 7DI Goodger, Donnan. 7DJ Blagen, Henry W. 7DK Drake, Edward F. 7DL Mason, Dwight A. 7DL Mason, Dwight A. 7DM Minkler, Lee D. 7DN Engholm, Bernard. 7DO Deguire, Olian. 7DD Dann, Percy W. 7DR Clarke, Charles E. 7MA 7MF 7MG Miller, George C. 7MA 7MF 7MF 7MK 7MK 7MK 7MK 7MK 7MR	7CT					Ludgate, Wallace G
7CV Clark, G. Warren. 7GO 7GP Hagen, Bert W. R. 7LV 7UW Wollaston, A. L. 7DB Bolstad, Archie L. 7GQ Reeder Addis H. 7GR Aiken, Robert Leon. 7DH Tennican, Leonard S. 7DI Goodger, Donnan. 7DJ Blagen, Henry W. 7DK Drake, Edward F. 7DL Mason, Dwight A. 7DL Minkler, Lee D. 7DN Engholm, Bernard. 7DD Engholm, Bernard. 7DD Engholm, Bernard. 7DD Dann, Percy W. 7DR Pinkman, Herbert N. 7DR Pinkman, Herbert N. 7DR Matthews, Harold. 7DR Matthews, Harold. 7DR Matthews, Harold. 7DR Matthews, Harold. 7DR Reichert, Howard G. 7NC Clodfelter, Nolan A.						
7DB Bolstad, Archie L. 7DC Crockett, George D. Aiken, Robert Leon. 7DH Tennican, Leonard S. 7DI Goodger, Donnan 7DJ Blagen, Henry W. 7DK Drake, Edward F. 7DL Mason, Dwight A. 7DM Minkler, Lee D. 7DM Engholm, Bernard. 7DN Engholm, Bernard. 7DD Dann, Percy W. 7DR Reeder Addis H. 7GR Gratke, Charles E. 7MA 7MF 7MG Maller, George C. 7MJ 7MK Madd, Walter J. 7MK 7ML 7MK Mason, The Carroll, Thomas M. 7MR 7MR 7MR 7MR 7MR 7MR 7MS 7MR 7MS	7CV				71.V	
7DB Bolstad, Archie L. 7GQ Reeder Addis H. 7DC Crockett, George D. Aiken, Robert Leon. 7DB Tennican, Leonard S. 7DI Goodger, Donnan. 7HD Davis, Hubert A. 7MK Orake, Edward F. 7DL Blagen, Henry W. 7HE Carroll, Thomas M. 7ML Mason, Dwight A. 7DM Minkler, Lee D. 7DM Minkler, Lee D. 7DN Engholm, Bernard. 7HO Hawkins, Ernest P. 7DC Dann, Percy W. 7HR Reichert, Howard G. 7NC Clodfelter, Nolan A.	,	, G				
7DC Crocketf, George D. Aiken, Robert Leon. 7DE Aiken, Robert Leon. 7DH Goodger, Donnan. 7HD Goodger, Donnan. 7HD Blagen, Henry W. 7DE Drake, Edward F. 7DL Mason, Dwight A. 7DL Minkler, Lee D. 7DN Engholm, Bernard. 7DO Deguire, Olfan. 7DD Dann, Percy W. 7DR Robert A. 7DR Robert A. 7ML Mason, Howard F. 7DR Hawkins, Ernest P. 7MR Matthews, Harold D. 7DN Hawkins, Ernest P. 7MR Matthews, Harold. 7MW Mitchell, Walter. 7MC Mitchell Mitchel	7DB	Bolsted Archie L				,
7DE Aiken, Robert Leon. 7DH Tennican, Leonard S. 7DI Goodger, Donnan. 7DI Blagen, Henry W. 7DK Mason, Dwight A. 7DM Minkler, Leo D. 7DN Engholm, Bernard. 7DD Dann, Percy W. 7DR Aiken, Robert Leon. 7DR Andrews, Horton R. 7DR Andrews, Horton R. 7DR Mason, Dwight A. 7DR Minkler, Harold E. 7DR Awkins, Ernest P.	7DC	Crockett George D			7M A	Wiley, Irving R
7DH Tennican, Leonard S. 7HA Andrews, Horton R. 7MJ Goodger, Donnan. 7HD Davis, Hubert A. 7MK Mason, Howard F. 7DL Blagen, Henry W. 7HE Carroll, Thomas M. 7ML Mason, Dwight A. 7HK Mason, Dwight A. 7HK Longmire, Harold E. 7MR Spiker, Emmett E. 7DM Minkler, Lee D. 7HN Pinkman, Herbert N. 7MT Matthews, Harold. 7DN Engholm, Bernard. 7HO Hawkins, Ernest P. 7MW Mitchell, Walter. 7DD Dann, Percy W. 7HR Reichert, Howard G. 7NC Clodfelter, Nolan A.		Aiken Robert Leon	. ~	Gravito, Charles 2.		Miller George C
7DI Goodger, Donnan. 7HD Davis, Hubert A. Carroll, Thomas M. 7MK Mason, Howard F. 7DK Drake, Edward F. 7HK Mahler, Harold E. 7MR Morent E. 7DM Minkler, Lee D. 7HN Pinkman, Herbert N. 7DN Engholm, Bernard. 7HO Hawkins, Ernest P. 7DV Dann, Percy W. 7HR Reichert, Howard G. 7NC Clodfelter, Nolan A.		Tennican Leonard S	7HA	Andrews Horton R		Mead. Walter I
7DJ Blagen, Henry W. 7HE Carroll, Thomas M. 7ML Mason, Howard F. 7DL Mason, Dwight A. 7HL Longmire, Harold E. 7MS Steenson, Mark. 7DM Minkler, Lee D. 7HN Pinkman, Herbert N. 7MT Matthews, Harold. 7DN Engholm, Bernard. 7HO Hawkins, Ernest P. 7MW Mitchell, Walter. 7DP Dann, Percy W. 7HR Reichert, Howard G. 7NC Clodfelter, Nolan A.	701	Goodger Donnen		Davis Hubert A		Callender Melville W
7DK Drake, Edward F. 7HK Mabler, Harold E. 7MR Spiker, Emmett E. 7DL Minkler, Lee D. 7HN Pinkman, Herbert N. 7MT Matthews, Harold. 7DN Engholm, Bernard. 7HO Hawkins, Ernest P. 7MW Mitchell, Walter. 7DP Dann, Percy W. 7HR Reichert, Howard G. 7NC Clodfelter, Nolan A.	ήĎΪ	Blegen Henry W				Mason Howard F
7DL Mason, Dwight A. 7HL Longmire, Harold D. 7MS Steenson, Mark. 7DM Minkler, Lee D. 7HN Pinkman, Herbert N. 7MT Matthews, Harold. 7DN Engholm, Bernard. 7HO Hawkins, Ernest P. 7MW Mitchell, Walter. 7DP Dann, Percy W. 7HR Reichert, Howard G. 7NC Clodfelter, Nolan A.		Drake Edward F		Mahler Herold F		Sniker Emmett E
7DM Minkler, Lee D. 7HN Pinkman, Herbert N. 7MT Matthews, Harold. 7HO Hawkins, Ernest P. 7DO Deguire, Olfan. 7HQ Hayden, Harry T., jr. 7DP Dann, Percy W. 7HR Reichert, Howard G. 7NC Clodfelter, Nolan A.	701	Meson Dwight A				Steenson Work
7DN Engholm, Bernard. 7HO Hawkins, Ernest P. 7MW Mitchell, Walter. 7DO Deguire, Olfan. 7HQ Hayden, Harry T., ir. 7DP Dann, Percy W. 7HR Reichert, Howard G. 7NC Clodfelter, Nolan A.	7ĎW					
7DO Deguire, Olfan. 7HQ Hayden, Harry T., jr. 7DP Dann, Percy W. 7HR Reichert, Howard G. 7NC Clodfelter, Nolan A.	45g			Hawking Fraget P		Witchell Wolter
7DP Dann, Percy W. 7HR Reichert, Howard G. 7NC Clodfelter, Nolan A.	<b>350</b>	Demire Olfen		Howden Hower To to	/ A. **	michien, Walter.
7DQ Drinker, Russell. 7HY Hicklyn, Harold H. 7ND Grush, David R.				Delebert Howard C	7NC	Clodfelter Nolen 4
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## SEVENTH DISTRICT-Continued.

#### ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
7NF 7NH 7NI 7NK 7NL 7N8	Tingstad, Anton R. Nilson, George A. Learned, George H. Nelson, Julius F. Goodger, Ernest F. Sanborn, Ned. O'Connor, William C.	7QD 7QF 7QN 7RC 7RD 7RF 7RH	Benoit, Neville R. Chaffee, Arthur L. Moore, E. H. Cook, Richard H. Runyard, A. Don. Ryeberg, Roy E. Teeson, Robert.	78L 78N 78P 78W 7TB	Stinson, Leo. Norman, Stacy W. Samms, Philip C. Swan, Emil. Borders, Lawrence. Vreeland, Thad.
70C 70F 70K 70M 70N	Heifort, Earle R. Allard, Ambrose. Bode, Hugo P. Ormsby, Major. Nicholson, Wm. O.	7RI 7RK 7RS 7RT 7RW	Hager, Clement S. Kertson, Ross J. Starr, Eugene C. Trapeur, Robert E. Wright, Raymond F.	7VB 7VD 7VN 7VP 7VW	Bird, Vernon. Ducette, Victor N. Van Olinda, O. S. Pitner, Veral. Fitzpatrick, George.
7PF 7PG 7PJ 7PK 7PL 7PO 7PV	Rasmussen, Viggo P. Truesdell, Herbert M. Jones, Paul. Palmer, Robert S. Patterson, Fred. Poole, Orell A. Kraft, Vincent I.	78A 78C 78D 78F 78G 78H 78I 78J	Maybee, Loren C. Sparks, Aurelius E. Schurch, Edward C. Stoner, Lloyd E. Gianelli, Salver A. Schrotke, Christian. Weagel, S. A. Stewart, Glenn R.	7WA 7WC 7WJ 7WK 7WL 7WP 7WR 7WS	White, Ruel. Cates, Walter C. Kennedy, Will. Kleist, Walter A. Wilson, Herbert A. Ralston, Graham W. Walling, Raymond. Sparrow, William T.

#### EIGHTH DISTRICT.

[Headquarters: Customhouse, Detroit, Mich. The eighth district comprises the States of New York (all counties not included in second district), Pennsylvania (all counties not included in third district), West Virginia, Ohio, and Michigan (Lower Peninsula).]

#### ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
8ES	Aber, Ernest M., jr	352 W. Ferry St., Buffalo, N. Y.	0.
8BT	Ackerman, Edmund K	1698 E. 90th St., Cleveland, Ohio.	1.
8VO	Ackerman, John T., ir	330 Mathewson St., Flint, Mich.	1.
SARX	Ackley, William J.	72 Halstead Ave., Buffalo, N. Y	1
8AOR	Adams, Joy C	48 N. Wabash Ave., Battle Creek, Mich.	1
8UY	Adams, Lucius O	25 Do Duccor Ct Dinghamton M V	1.
8AKU	Adams, Miles R.	85 De Russey St., Binghamton, N. Y Sanitaria Springs, N. Y 46 Jones St., Mt. Clemens, Mich	1.
8ALN	Addis, Roy R.	40 Tames Ct. Mrt. Clamers. Mich.	
8DZ	Aker, Ellison E	40 Jones St., Mt. Clemens, Mich.	1.
	Albertan W Charles	520 Woodward Ave., Lima, Ohio	1.
8AEQ 8RL	Albertson, W. Charles	5400 Stanton Ave., Pittsburgh, Pa.	
	Alexander, Frank	34 Asbury St., Rochester, N. Y	
8ALE	Alexander, Lot and Hoge	537 Center St., Grove City, Pa	
8RS	Alger, Allan E	214 Arizona Ave., Lorain, Ohio	1
8AMJ	Allan, Donald	3237 Dayton Ave., Cincinnati, Ohio	
8WC	Allyn, William P	Glenville High School, Cleveland, Ohio	1
8AMG	Altdoerffer, Frank H	633 Maplewood Ave., Ambridge, Pa	
8RN	Altman, Allen R	6710 Hudson Pl., Pittsburgh, Pa	1
8AJO	Amann, Joseph C	393 Oak Hill Ave., Youngstown, Ohio	
8TX	Anders, Harry R	Decatur, Mich 631 E. 127th St., Cleveland, Ohio	
8JW	Anderson, Joseph D	631 E. 127th St., Cleveland, Ohio	1
8AAB	Anderson, L. R	Youngstown, Ohio	
8KH	Angel, Jay L	R. F. D. No. 1, Bowling Green, Ohio	
8KA	Ankerman, Roy E	403 E. Lima St., Wapakoneta, Ohio	1
8AMQ	Anson, Charles T	Ausable Forks, N. Y	
8AGG	Anton, William G	224 S. Rebecca St., Pittsburgh, Pa	
8DW	Apger, Charles O	555 18th St., Detroit, Mich	
SNL	Appel, Floyd	310 Short St., Erie, Pa	
8NG	Arenson, William	241 W. Exchange St., Akron, Ohio	1
BJN	Arthurs, Biddle, jr	3046 Centre Ave., Pittsburgh, Pa	
SAPM	Auten, George C	Oberlin, Ohio	1
SADY	Atkinson, Earl W	Oberlin, Ohio	
SACR	Atkinson, Ward I	95 Rutgers St. Rochester N. V	
8ANO	Baisley, J. Everett	95 Rutgers St., Rochester, N. Y. 32 George St., Wyandotte, Mich	
8APK	Bachtel, Alfred	Akron Ohio	
8AAW	Baer, Walter D.	Akron, Ohio	1
8ARF	Baillie, Howard L	26½ W. Church St., Newark, Ohio.	1
8AKC	Bain Ovid	1721 F Cantar St. Marian Ohio	
SAJI	Dales Canald 16	1731 E. Center St., Marion, Ohio	

## EIGHTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	
			Ku
8FF 8VP	Baker, Raymond S Ball, Alfred	39 Steele Ave., Gloversville, N. Y	100
8VP	Ball, Alfred	Hubbard, Ohio	71.73
3OM	Balsley, James I	Hutboard, Ortho.  109 S. Cottage Ave., Connellsville, Pa.  243 E. College St., Oberlin, Ohio  143 Chess St., Monongahela City, Pa.  2901 W. Liberty Ave., Dormont, Pa.  215 Main St., Binghamton, N. Y.  269 S. Goodman St., Rochester, N. Y.	1 1 3
SAEH	Balson, Donald W	243 E. College St., Oberlin, Ohio	7.20
SFW	Banes, Charles C. A	143 Chess St., Monongahela City, Pa	
SWW	Barker, Gilroy. Barnes, Orton S. Barnett, Walter J. Barnhart, Walter.	2901 W. Liberty Ave., Dormont, Pa	150
SCC W	Bornett Welter I	260 S. Goodman St. Pochastar N. V.	
QE	Barnhart Walter	Regger Pa	
SAB	Barr, Forrest L	R. F. D. No. 1. Vickery, Ohio	0.00
BADW	Barris, Allen	R. F. D. No. 4. Silver Creek, N. Y.	100
BAT	Barris, Allen Barton, Howard	3 Clay St., Le Roy, N. Y	
SACT	Reginger Regwell	Beaver, Pa.  R. F. D. No. 1, Vickery, Ohio  R. F. D. No. 4, Silver Creek, N. Y.  3 Clay St., Le Roy, N. Y.  Columbus Grove, Ohio.  Demster, N. Y.	1
BACT	Baumgardner, Donald G Beach, Walter R Beaman, Paul S	Demster, N. Y.	1
SSI	Beach, Walter R	2180 E. 90th St., Cleveland, Ohio	118
SAFU SJB	Beare, George L	2180 E. 90th St., Cleveland, Ohio	111
BTZ	Beasley, Ira E. Beck, Frank G. Becker, Freeman A. Beer, Frank P.		
KF	Beck, Frank G	119 Pennsylvania Ave., Greensburg, Pa	-
SAPA	Becker, Freeman A	550 West Ave., Bullalo, N. Y	
SARW		165 Coder St. Ruffelo N V	
SAJU	Bell, Charles H	5153 Fowler Ave., Cleveland, Ohio.	
BAIF	Bell, Charles H Bell, Irving Bell, Norman W	S. Bell Ave., Lakewood, Ohio.  119 Pennsylvania Ave., Greensburg, Pa.  885 West Ave., Buffalo, N. Y.  514 Jarvella St., Pittsburgh, Pa.  165 Cedar St., Buffalo, N. Y.  5153 Fowler Ave., Cleveland, Ohio.  819 Wall St., Port Huron, Mich  424 Tarleton Ave., Pittsburgh, Pa.  731 W. Mary St., Bucyrus, Ohio.  174 Glasgow St., Clyde, N. Y.  1923 W. 75th St., Cleveland, Ohio.  16 Central St., Battle Creek, Mich  326 S. 5th Ave., Ann Arbor, Mich  849 Windham St., Cincinnati, Ohio  608 Clark Ave., Detroit, Mich	1
BDO	Bell, Norman W	424 Tarleton Ave., Pittsburgh, Pa	
SCF	Beller Harold F	731 W. Mary St., Bucyrus, Ohio	
KD	Benjamin, Carlisle. Bennett, Edward J. Benson, Walfred. Benz, Carroll.	174 Glasgow St., Clyde, N. Y	1000
SFZ SANR	Bennett, Edward J	1923 W. 75th St., Cleveland, Ohio	100
SCD	Benson, Walifed	206 C 5th Are App Arbor Mich	1
ML	Bermon Tsidore A	840 Windham St Cincinnati Ohio	
SAE	Benza, Carroll Berman, Isidore A. Berndt, William F. Berry, L. Mack. Bidwell, Paul. Bidwell, Paul. Bieber, Carl W. Birkel, Lawrence J.	849 Windham St., Cincinnati, Ohio. 608 Clark Ave., Detroit, Mich. 131 W. Walnut St., Galion, Ohio 9990 Euclid Ave., Cleveland, Ohio 11397 Glenwood Ave., Cleveland, Ohio 16 Hauf St., Buffalo, N. Y. 700 Tibbets Ave., Springfield, Ohio 413 Locust St., Lockport, N. Y. 67 Foster Ave., Norwalk, Ohio 3930 Ivanhoe Ave., Norwood, Ohio Cattaraugus, N. Y. 73 Pardee St., Rochester, N. Y.	-
HS	Berry, L. Mack	131 W. Walnut St., Galion, Ohio.	100
SIY	Bidwell, Paul	9990 Euclid Ave., Cleveland, Ohio	1
SWP	Bidwell, Paul	11397 Glenwood Ave., Cleveland, Ohio	
BCM	Bieber, Carl W	16 Hauf St., Buffalo, N. Y	1
SGY SAGL		700 Tibbets Ave., Springheid, Onio	1.73
BAAO	Bishop, Robert C Bishman, Richard F	67 Factor Ava Norwell Ohio	- 1
BACK	Blair, Russell M	3930 Ivanhoe Ave., Norwood, Ohio	13.74
RHL	Blake, F. B	Cattaraugus, N. Y	151
FU LP	Blake, F. B Blattner, E. Herman	73 Pardee St., Rochester, N.Y	460
LP	Bly Rainh	1358 Michigan Ave., Niagara Falls, N. Y	170
UJ	Boardman, Thomas H	624 Erie St., Port Huron, Mich	1
BAPN	Bock, Ashley P Bohannan, Robert C	1112 W. North St., Kalamazoo, Mich	1
BAQI	Bolaman, Robert C	Cattaraugus, N. Y. 73 Pardee St., Rochester, N. Y. 1358 Michigan Ave., Niagara Falls, N. Y. 624 Erie St., Port Huron, Mich	1111
BALO	Bovee, Charles W	105 Reethoven St. Ringhamton N. V	(53)
BAAS	Bower, George C	Blasdell, N. Y.	150
BAKG	Bookwalter, John F.  Bovee, Charles W.  Bower, George C.  Bower, Orville D.	834 4th St., Marietta, Ohio	133
BANB	Bower, Stanley	162 Elizabeth St., Marine City, Mich	100
AOP	Bowyer, Glenn B	Kinsman, Ohio	100
BOU BAJG	Bowyer, Glenn B Boyer, Harry A Braatz, Eugene C	105 Beetnoven St., Bingnamton, N. Y Blasdell, N. Y 834 4th St., Marietta, Ohio. 162 Elizabeth St., Marine City, Mich Kinsman, Ohio. 89 Kibbie St., Mt. Clemens, Mich Lowellville, Ohio. Bracksvilla Ohio.	
SAJG	Bratton Harry B	Brecksville, Ohio.	
CQ	Bratton, Harry B. Brede, Erwin F. Brewster, Fred J. Brice, William E.	55 Melbourne Ave., Detroit, Mich.	
BAOK	Brewster, Fred J.	6904 Cedar Ave., Cleveland, Ohio	
BAAJ	Brice, William E	714 W. Market St., Lima, Ohio	
FR	Briggs, Fred G	221 Forest St., Marion, Ohio	
KI	Brockway, Earl H	421 E. Court St., Flint, Mich.	
TQ	Brooks, Clarence H	278 Emerson St., Rochester, N.Y	
AG AIM	Brothers Loyd C	Wellington Obje	
SVC	Brown, Arthur B	1218 E. Erie Ave. Lorein Ohio	
BADP	Brown, Clarence W.	R. F. D. No. 25, Akron, Ohio	
BNY	Brown, Fred C	Brecksville, Ohio.  55 Melbourne Ave., Detroit, Mich 6904 Cedar Ave., Cleveland, Ohio. 714 W. Market St., Lima, Ohio. 221 Forest St., Marion, Ohio. 421 E. Court St., Flint, Mich 278 Emerson St., Rochester, N. Y. 100 Grand Ave., Mt. Clemens, Mich Wellington, Ohio. 1218 E. Erie Ave., Lorain, Ohio R. F. D. No. 25, Akron, Ohio. Port Clinton, Ohio.	
BNY BUD	Briggs, Fred G Brockway, Earl H Brooks, Clarence H Broome, Donald W Brothers, Loyd C Brown, Arthur B Brown, Clarence W Brown, Fred C Brown, Kenneth W Brown, Le Roy Brown, Baloh M	Port Clinton, Ohio.  640 Harrison Ave., Scranton, Pa.  R. F. D. No. 8, Hamilton, Ohio.  156 W. River St., Wilkes-Barre, Pa.  1. August St. Langester, N. V.	
BANW	Brown, Le Roy	R. F. D. No. 8, Hamilton, Ohio	
WZ		156 W. River St., Wilkes-Barre, Pa	
BAAP	Brownell Balph	1 Aurora St., Lancaster, N. Y	
SAHE	Bruning Miles F	2842 Mt Pleasant Ave Hamilton Ohio	
SVS	Brownell, Ralph Bruning, Miles F Buck, Edward H	130 w. River St., Whees Barte, N. Y. 1 Aurora St., Lancaster, N. Y. 1854 Prendergast Ave., Jamestown, N. Y. 1842 Mt. Pleasant Ave., Hamilton, Ohio. 161 Walker St., Tiffin, Ohio. 1671 Bruee St., Cincinnati, Ohio. 1671 Bruee St., Cincinnati, Ohio. 1627 Germania St., Columbus, Ohio.	
BARO	Bunning, Theodore	1671 Bruce St., Cincinnati, Ohio.	
AQT			

## EIGHTH DISTRICT-Continued.

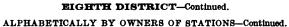
Call signal.	Owner of station.	Location of station.	
100		77 Hastings Ave., East Cleveland, Ohio 5284 W. Center St., Marion, Ohio 251 Goodwin Ave., Detroit, Mich 822 S. McDonel St., Lima, Ohio R. F. D. No. 2, Hamburg, N. Y 604 N. Baxter St., Lima, Ohio. 286 Garson Ave., Rochester, N. Y 113 W. John St., Martinsburg, W. Va 7209 Clinton Ave., Cleveland, Ohio. 68 E. Elm St., Norwalk, Ohio. 238 W. Wood St., Youngstown, Ohio. 191 Goulding Ave., Buffalo, N. Y 345 Whitman Ave., Bloomsburg, Pa R. F. D. No. 44, Weedsport, N. Y 255 Main St., Binghamton, N. Y 645 W. Ferry St., Buffalo, N. Y 1203 N. Rose St., Kalamazoo, Mich 456 Mahoning St., Lehighton, Pa 448 Bowery St., Akron, Ohio. 236 W. 106th St., Cleveland, Ohio. 5309 Ellsworth Ave., Pittsburgh, Pa	Kw.
8VZ	Burchard, William K	77 Hastings Ave., East Cleveland, Ohio	0. 5
8AQN 8AIS	Burdick George M C	251 Goodwin Ave Detroit Mich	.5
8FI	Burdick, George M. C Burger, Richard W	822 S. McDonel St., Lima, Ohio.	.5
8ABA	Burgwardt, Frederick C., jr	R. F. D. No. 2, Hamburg, N. Y.	.5
8ANJ 8ALU	Burger, Richard W. Burgwardt, Frederick C., jr. Burgoon, Wesley. Burkhardt, George E. Burn, Herman E. Burr, Gordon. Burr, Roy C. Burson, John I. Burtis, Melvin M. Burton, James F.	604 N. Baxter St., Lima, Ohio	5
8AGH	Burns Herman E	113 W. John St. Martinshurg W. Va	1.0
8GA	Burr, Gordon	7209 Clinton Ave., Cleveland, Ohio.	1.0
8RD	Burr, Roy C	68 E. Elm St., Norwalk, Ohio.	1.0
8TA 8AGM	Burson, John I	238 W. Wood St., Youngstown, Ohio	1.0
8CN	Burton, James F. Bush, Claude M. Bush, Richard A. Bushnell, Clarence E. Butine Arthur B.	345 Whitman Ave., Bloomsburg, Pa.	1.0
8CT	Bush, Claude M	R. F. D. No. 44, Weedsport, N. Y	.5
8WO	Bush, Richard A	255 Main St., Binghamton, N. Y.	1.0
8MH 8AID	Bushnell, Clarence E	1203 N. Rose St. Kalamazoo, Mich	.5
8LN	Butine, Arthur B Butler, Harry F Cady, Fred L Calkins, Norman	456 Mahoning St., Lehighton, Pa.	1.0
8AIA	Cady, Fred L	448 Bowery St., Akron, Ohio	. 5
SAEX	Calkins, Norman	2136 W. 100th St., Cleveland, Ohio	.5
8VR 8VH	Calvert, George C. Candlér, Charles and Emma. Caplan, Zola. Carlson, Wendell L. Carpenter, Donald F.	203 W. 100th St., Cleveland, Ohio. 5309 Ellsworth Ave., Pittsburgh, Pa. 203 N. Ash St., St. Marys, Ohio. 4821 Centre Avenue, Pittsburgh, Pa. 37 Maple St., Jamestown, N. Y. 65 W. Union St., Wilkes-Barre, Pa.	1.0
8VY	Caplan, Zola	4821 Centre Avenue, Pittsburgh, Pa	.5
8AGW	Carlson, Wendell L	37 Maple St., Jamestown, N. Y.	1.0
8ANY 8AIT	Carpenter, Sears	14234 Detroit Ave Cleveland Objo	1.0
8ASO	Carr. Irving E	1246 Roosevelt Ave., Flint, Mich.	.5
8AIY	Carroll, Stanley W	312 2d St., Marietta, Ohio	.5
8MV	Carson, William H	1140 James St., Kalamazoo, Mich	1.0
8ED 8VF	Carry Irving E. Carroll, Stanley W. Carson, William H. Carver, Alfred J. Case, J. Gifford.	76 Lozier St., Rochester, N. Y	1.0
8VI	Case, Harlow M	Benzonia, Mich	1.0
8PB	Case, Harlow M. Case, Theodore J.	1609 S. University Ave., Ann Arbor, Mich	. 5
8ABG 8AEG	Caswell, Frank A	201 Chestrut St., Dayton, Onio	. 5
8VP	C. F. Jackson Co	65 W. Union St., Wilkes-Barre, Pa. 14234 Detroit Ave., Cleveland, Ohio. 1246 Roosevelt Ave., Flint, Mich. 312 2d St., Marietta, Ohio. 1140 James St., Kalamazoo, Mich. 53 Wecker St., Buffalo, N. Y. 76 Lozier St., Rochester, N. Y. Benzonia, Mich. 1609 S. University Ave., Ann Arbor, Mich. 21 Dekalb St., Dayton, Ohio. 301 Chestnut St., Dunmore, Pa. Findlay, Ohio.	1.0
8UC	Chadde Walter F	Findlay, Ohio.  117 Huntington Park, Rochester, N. Y  226 Eason Ave., Highland Park, Mich.  2363 Robinwood Ave., Toledo, Ohio  1471 Winton Ave., Lakewood, Ohio  47 Allen Ave., Pittsburgh, Pa	.5
8JY	Chamberlain, Oscar A Champe, Willard A Chandler, Merle C	226 Eason Ave., Highland Park, Mich	1.0
8AMA 8ADG	Champe, Willard A	1471 Winton Ave. Lakewood Ohio	.5
8VG	Chandler, Merle C. Chartener, Ralph R. Chester, Allan. Childs, Herbert R. Clarke, John H. Clausing, Leroy M. E. Clauve, Carl E. Clem, Robert. Clement, Russell C. Cobb, Rupert G. Cocklin, Gilbert W. Cole, Kenneth. Coleman, H. Burr	47 Allen Ave., Pittsburgh, Pa. 50 E. Elm St., Norwalk, Ohio. 12 Bengel Ter., Rochester, N. Y. 1010 Central Ave., Dunkirk, N. Y.	1.0
8NN	Chester, Allan	50 E. Elm St., Norwalk, Ohio.	1.0
8API 8SQ 8FJ	Clarke John H	1010 Central Ava Dunkirk N V	1.0
SEI	Clausing, Leroy M. E.	406 Nye St., Lima, Ohio. 435 Shilito St., Cincinnati, Ohio 605 N. Jameson St., Lima, Ohio. 168 North Ave., Washington, Pa. 17 E. Alexandrine Ave., Detroit, Mich	1.0
8AOH	Clauve, Carl E	435 Shilito St., Cincinnati, Ohio	.5
8AOW	Clem, Robert	605 N. Jameson St., Lima, Ohio	. 5
8AJT 8DV	Cobb. Rupert G	17 E. Alexandrine Ave., Detroit Mich	.5
8SL	Cocklin, Gilbert W	Middlebranch, Ohio	.5
SAET	Cole, Kenneth	45 King St., Oberlin, Ohio.	. 5
8SM 8FG	Coleman, H. Burr	328 Locust St. Edgewood Park Pa	. 5
8IM	Collins, Benjamin F.	152 N. 4th St., Steubenville, Ohio.	.5
8ABS	Cole, Kenneth. Coleman, H. Burr. Coleman, John B. Collins, Benjamin F. Colville, Perkins Combs, Frayne L. Comner, Charles E. Conrad, Mark Cook, Vernor. Cooke, Lovell. Cookeman, Murray R	168 North Ave., Washington, Pa. 17 E. Alexandrine Ave., Detroit, Mich. Middlebranch, Ohio 45 King St., Oberlin, Ohio 46 King St., Oberlin, Ohio 47 September St., Lyons, N. Y. 48 Locust St., Edgewood Park, Pa. 49 Locust St., Edgewood Park, Pa. 40 Locust St., Edgewood Park, Pa. 40 Locust St., Edgewood Park, Pa. 40 Locust St., Ithaca, N. Y. 40 Bulme High School, Wapakoneta, Ohio. 40 W. LaBelle St., Grand Rapids, Mich. 41 F. Crawford St., Van Wert, Ohio. 410 W. LaBelle St., Grand Rapids, Mich. 41 Blasgow St., Clyde, N. Y. 42 Sw Walbridge Ave., Toledo, Ohio. 410 Harvard St., Rochester, N. Y. 41 S. W. Monument Ave., Dayton, Ohio. 42 W. Monument Ave., Dayton, Ohio. 43 E. High St., Columbus Grove, Ohio. 44 Burs St., Buffalo, N. Y. 45 Plattsburg, Ohio. 46 Locust St., Binghamton, N. Y. 47 Sy Chemore Ave., Cincinnati, Ohio. 48 Lakewood Ave., Lima, Ohio. 49 Euclid Ave., Mt. Clemens, Mich. 47 Burr St., Gloversville, N. Y. 48 Chili Ave., Rochester, N. Y.	1.0
8KO	Combs, Frayne L	Blume High School, Wapakoneta, Ohio	. 5
8ASJ 8AIL	Conrad Mark	117 E. Crawford St., Van Wert, Ohio	1.0
8PY	Cook, Vernor.	30 W. LaBelle St., Grand Rapids, Mich.	1.0
8MX	Cooke, Lovell	R. F. D. No. 3, Gobleville, Mich.	.5
8KU	Cooley Clair P	118 Glasgow St., Clyde, N. Y	. 5
8AOX 8RG	Cookman, Murray R. Cooley, Clair R. Copeland, Arthur H.	130 Harvard St., Rochester N. Y	.5
8LT	Copp, Stanley R. Core, Eugene D.	5 W. Monument Ave., Dayton, Ohio.	.5
8KB	Core, Eugene D	53 E. High St., Columbus Grove, Ohio	1.0
8ARK 8QL	Corey Harry F	Richmond Mich	. 5
8QL 8WV	Corey, Dwight. Corey, Harry E. Corts, Ray E. Coughenour, Virgil J. Couperthwait, George F. Craig, Palmer. Cramer, Charles F.	243 May St., Buffalo, N. Y.	.5
8ART	Coughenour, Virgil J	Plattsburg, Ohio.	.5
8AHK	Craig Palmor	52 Schiller St., Binghamton, N. Y.	.5
8AMD 8AOV	Cramer, Charles F	115 N. Fountain St. Springfield Objo	1.0
8AOV 8AOG	Crops John A	1431 Lakewood Ave., Lima, Ohio.	1.0
8GZ	Cromey, Leslie D. Cross, Blakely E. Cross, Irving.	221 Euclid Ave., Mt. Clemens, Mich.	.5
80Q	Cross, Blakely E	47 Burr St., Gloversville, N. Y	. 5

#### EIGHTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Kw
8NJ	Crumbie, Goodwin B	Plymouth, Mich. 362 Walnut St., Buffalo, N. Y. Hamburg, N. Y. 11024 Detroit Ave., Cleveland, Ohio. 624 W. 9th St., Traverse City, Mich. 830 W. Main St., Ravenna, Ohio. 306 Elm St. thaca. N. Y.	0
8KX 8ADI	Cuff, Harold C	362 Walnut St., Buffalo, N. Y	1
8ADI	Cundall, Lincoln A Current, Warren J Curtiss, Gerald H Curtiss, Glen W., jr	Hamburg, N. Y	1
8EW 8AOI	Current, Warren J	11024 Detroit Ave., Cleveland, Ohio	
8LC	Curtiss Glen W ir	830 W Main St Rayonna Ohio	1
8AEA	Cushman, Robert A	830 W. Main St., Ravenna, Ohio. 306 Elm St., Ithaca, N. Y. 468 Buchtel Ave., Akron, Ohio. Sheridan, N. Y. 28 Pine St., Binghamton, N. Y. 16 Tuxill Sq., Auburn, N. Y. Litchfield, Mich. 1112 Stanton Ave., New Kensington, Pa. 1232 Race St., Sunbury, Pa. 628 W. Main St., Hamilton, Ohio. 50 N. 38 St. Newark. Ohio.	
8AJ	Cushman, Robert ACustis, Walter E	468 Buchtel Ave., Akron, Ohio.	179
8RK	Dalrymple, Clarence F	Sheridan, N. Y	11/18
8AKE	Daly, James J.  Danforth, Gordon F.  Daniels, Le Roy.  Darrall, William G.	28 Pine St., Binghamton, N. Y.	18
8CI 8JE	Damorth, Gordon F	I itabfold Mich	132
8AIM	Darrall William G	1112 Stanton Ave. New Kensington, Pa	
8ALI	Dauberman, John R	1232 Race St., Sunbury, Pa	100
8FM	Dauberman, John R Dauberman, John R Daugherty, Robert J Davidson, Robert L Davis, Benton W Davis, Charles C Davis, Harold P Davis Herbort F	628 W. Main St., Hamilton, Ohio.	1
8ASV	Davidson, Robert L		
8QZ	Davis, Benton W	1904 Ansel Rd., Cleveland, Ohio	1
8BC	Davis, Charles C	Fenton, Mich.	1
8AEY 8BX	Davis Herbert E	1480 Western Ave Toledo Obio	1
SALR	Davis, Paul E., ir	R. F. D., Gross Isle, Mich	
RAO	Deighan, Edward L	5415 Hermann Ave., Cleveland, Ohio.	
8AOT	Davis, Herbert E Davis, Paul E., jr Deighan, Edward L. Demarest, Foster J.	103 Washington St., Williamsport, Pa	1
SIX.	Dencer, John Densmore, U. Harry. Devaney, Richard G Devinney, Robert C Dieter, Howard L. Diederich, Paul E	1904 Ansel Rd., Cleveland, Ohio.   Fenton, Mich.   2095 W. 87th St., Cleveland, Ohio   1480 Western Ave., Toledo, Ohio   R. F. D., Gross 15le, Mich.   5415 Hermann Ave., Cleveland, Ohio   103 Washington St., Williamsport, Pa. 1021 Tuscarawas St., Canton, Ohio   220 Mitchell St., Petoskey, Mich.   103 Washington St., Vanton, Ohio   200 Mitchell St., Petoskey, Mich.   104 Tuscarawas St., Canton, Ohio   200 Mitchell St., Petoskey, Mich.   105 Western Mich.   105 Western Mich.   105 Western Mich.   106 Western Mich.   107 Western Mich.   107 Western Mich.   108	de
8WG	Densmore, U. Harry	220 Mitchell St., Petoskey, Mich.	
8KK	Devinney Richard G	190 Murray St., Bingnamton, N. Y.	
8AAQ 8AOA	Dieter Howard I.	252 S 18th St. Columbus Obio	1
8IJ	Diederich, Paul E. Dieterich, Adele F. Dietsch, Carl G. Dilworth, John G.	1021 Tuscarawas St., Canton, Ohio 220 Mitchell St., Petoskey, Mich. 196 Murray St., Binghamton, N. Y 1224 Boyle St., Pittsburgh, Pa. 252 S. 18th St., Columbus, Ohio. 915 E. Grand Blvd., Detroit, Mich. 3128 Fulton Rd., Cleveland, Ohio. 395 Avondale Ave., Toledo, Ohio. 6121 Jackson St., Pittsburgh, Pa. 614 State St., Petoskey, Mich. 25 Cornell Ave., Kemmore, N. Y 145 Illinois Ave., Youngstown, Ohio. 56 Gallatin Ave., Buffalo, N. Y 127 Florida Ave., Lorain, Ohio. 3426 Burnet Ave., Cincinnati, Ohio. 39 Eaton St., Buffalo, N. Y	1
8ET	Dieterich, Adele F	3128 Fulton Rd., Cleveland, Ohio.	
8ACO	Dietsch, Carl G	395 Avondale Ave., Toledo, Ohio	110
8AQD 8AAH	Dilworth, John G	6121 Jackson St., Pittsburgh, Pa	1
8AAH	Ditto, Earl J	614 State St., Petoskey, Mich	1111
8AME 8AEO	Dobson, J. Howard	145 Illinois Ave. Voungstown Obio	- 37
8AAG	Dominick John H	56 Gallatin Ave., Buffalo, N. Y	
BAGC	Doeright, Gilbert A Dominick, John H Donahue, James B Donohue, Daniel, jr	Horseheads, N. Y	1
8FS	Donohue, Daniel, jr	227 Florida Ave., Lorain, Ohio	
8ANC	Dorman, Israel	3426 Burnet Ave., Cincinnati, Ohio	
8EF	Dorst, Edward L	39 Eaton St., Buffalo, N. Y. 533 Swan St., Dunkirk, N. Y. 57 Welts St., Mt. Clemens, Mich. 48 Garner Ave., Buffalo, N. Y.	- 37
$rac{8  ext{ABT}}{8  ext{TL}}$	Dotterweich, Edward, jr. Dowding, Sidney J. Dreux, Alexander J. Duff, Cuthbert. Dunlap, Orrin E., jr. Dunmore, Wallace P. Durham, Harold M. Durstine John E.	57 Welts St. Mt. Clemens Mich	
80X	Dreux, Alexander I	48 Garner Ave Buffalo N Y	
8MQ	Duff, Cuthbert	Norwood, Ohio.	1117
8LQ	Dunlap, Orrin E., jr	1029 Cleveland Ave., Niagara Falls, N. Y	
8ASD	Dunmore, Wallace P	218 Main St., Binghamton, N. Y.	
8AGY	Durham, Harold M	127 Cohasset St., Pittsburgh, Pa.	1
8AOJ	Dursam, Harold M. Durstine, John E. Dyke, S. Eugene Eames, William F Eaton, Floyd W Eckel, John F. Edick, Leonard I	211 Portor Ave. Warren Obio	
8AKY 8SW	Eames William F	841 N St Clair St. Pittsburgh Pa	-
8IU	Eaton, Floyd W	1901 Milton Ave., Solva, N. Y	1
8PL	Eckel, John F	2161 Bernard St., Cincinnati, Ohio.	1111
8VL	Edick, Leonard J. Edwards, Maynard W	89 Forest St., Gloversville, N. Y.	170
8GG 8UK 8TY	Edwards, Maynard W	48 Garner Ave., Buffalo, N. Y. Norwood, Ohio. 1029 Cleveland Ave., Niagara Falls, N. Y. 218 Main St., Binghamton, N. Y. 127 Cohasset St., Pittsburgh, Pa. 107 Burton Ave., Cleveland, Ohio. 211 Porter Ave., Warren, Ohio. 341 N. St. Clair St., Pittsburgh, Pa. 1901 Milton Ave., Solva, N. Y. 2161 Bernard St., Cincinnati, Ohio. 89 Forest St., Gloversville, N. Y. Lake Odessa, Mich. 120 Barton St., Buffalo, N. Y. 820 Monroe Ave., Scranton, Pa.	
8UK	Egan, James.	120 Barton St., Bullalo, N. Y.	
8TY 8PJ	Ehrich William F	278 Lucas St Bueyrus Objo	
8AOS	Eiszler, Emmerson L	1227 California Ave., Pittsburgh, Pa	(11)
8AQ	Eghan, James Ehrhardt, Roy C Ehrich, William F Eiszler, Emmerson L Ela, William C Electro-Set Co. See The Electro-Set Co.	278 Lucas St., Bucyrus, Ohio. 1227 California Ave., Pittsburgh, Pa. 1320 Woodland Ave., Pittsburgh, Pa.	
8ER	Elias, Louis W	877 Carpenter St., Columbus, Ohio	108
8TS	Eppley, Ervin W	R. F. D. No. 4, Elyria, Ohio	3.5
8ANK	Elias, Louis W. Eppley, Ervin W Ernest, Robert A.	1815 Prospect St., Springfield, Ohio	1
8AEI	Erskine, James Esch, Winthrop W	877 Carpenter St., Columbus, Ohio R. F. D. No. 4, Elyria, Ohio. 1815 Prospect St., Springfield, Ohio. 212 Cass Ave., Mt. Clemens, Mich	19
8DM	Esch, Winthrop W		
${}^{ m 8FP}_{ m 8ADZ}$	Esslinger, Elwin	523 Miller Ave., Ann Arbor, Mich 253 Mellon St., Pittsburgh, Pa. 806 Bayridge Ave., Pittsburgh, Pa Tippecanoe City, Ohio.	V
8ASK	Euler, John F Evans, Jack H	806 Bayridge Ave., Pittsburgh Pa	
8SB	Evans, George M	Tippecanoe City, Ohio	1
8AMR	Ewell, Lionel C.	Milan, Ohio.	73
8ANP	Exline, George A	1408 E. 93d St., Cleveland, Ohio	93
8AQR	Famariss, Walter	7817 Hamilton Ave., Pittsburgh, Pa	17.90
8HU 8ADD	Faroo, Glenn Fassett, G. M. Earle	Milan, Ohio. 1408 E. 93d St., Cleveland, Ohio. 7817 Hamilton Ave., Pittsburgh, Pa. 269 Grand Ave., Rochester, N. Y. 1526 Olivewood Ave., Lakewood, Ohio.	Thy
OAIIII	rassett, U. M. Larie	1020 ULIVEWOOD AVE., LAKEWOOD, UNIO	1

# RADIO STATIONS OF THE UNITED STATES.

# AMATEUR RADIO STATIONS-Continued.





Call signal.	Owner of station.	Location of station.	Power.
Tellis.			Kw.
8FA	Fender, Clinton H	28 W. 13th St., Cincinnati, Ohio. 211 Catalpa Drive, Royal Oak, Mich 11222 Fountain Ave., Springfield, Ohio. 1727 E. McMillan St., Cincinnati, Ohio. 494 Columbia Ave., Rochester, N. Y R. F. D. No. 9, Mansfield, Ohio. 811 Cass St., Chicago, Ill. 307 Collins Ave., Pittsburgh, Pa. 228 Ulysses St., Pittsburgh, Pa. 546 Utah St., Toledo, Ohio. 906 W. Wayne St., Lima, Ohio. 98 Park Ave., Binghamton, N. Y 3833 Hiawatha St., Pittsburgh, Pa. 1007 Sheridan Ave. SW., Grand Rapids, Mich. 510 S. 7th St., Ironton, Ohio.	0.5
8AOZ	Ferris James H	211 Catalpa Drive, Royal Oak, Mich	1.0
8CA	Fidler, Sherwood K Finch, Brent S Finegan, George W Finley, Chester T	1222 Fountain Ave., Springfield, Ohio	.5
8FE 8ASH	Finen, Brent S	1727 E. McMillan St., Cincinnati, Onio	.5
8AFD	Finley Chester T	R. F. D. No. 9 Mansfield Ohio	1.0
8AJK	Fischer, Andrew	811 Cass St., Chicago, Ill.	.5
8MG	Fish, J. Mulford	307 Collins Ave., Pittsburgh, Pa	.5
8KQ 8PE	Fisher, Earl U	228 Ulysses St., Pittsburgh, Pa	.5
8MY	Fisher, George C	906 W Wayne St. Lime Obio	1.0
SASN	Fisk, Rufus	98 Park Ave., Binghamton, N. Y	.5
8TN	Finey, Chester T Fischer, Andrew. Fish, J. Mulford. Fisher, Earl U. Fisher, George C. Fisher, Harold W. Fisk, Rufus. Fla Havhan, Harry E., jr. Fleckner, Harry K.	3833 Hiawatha St., Pittsburgh, Pa	.5
8DD 8UM	Fleckner, Harry K	1007 Sheridan Ave. SW., Grand Rapids, Mich	.5
8UM	Flehr, Paul D. Flint Central High School.	510 S. 7th St., Ironton, Ohio	1.0
	See Wightman, E. Russell.		
8ARS	Flora C Riissel	2206 Broadway, Toledo, Ohio	.5
8ASG	Flory, Carl L Follet, Louis H., jr Foltz, Harold H	2206 Broadway, Toledo, Ohio	.5
8MW	Follet, Louis H., jr	Crafton, Pa.	1.0
8ANS 8UA	Forcennon W Vnight	2024 Clerwood Ave. Tolede, Obio	.5
8ADK	Ford, Elliot P	129 Dartmouth St. Rochester N. Y	.5
8CU	Forshee, Kenneth	South Butler, N. Y	.5
8HR	Forshee, Kenneth. Foster, Clarence M. Fox, Edmund H.	Clarks Summit, Pa	.5
8WD	Fox, Edmund H	271 Calumet Ave., Detroit, Mich	.5
8SF 8FV	Francis Jesse I	1556 E 66th St Cleveland Objo	1.0
8AAV	Francis, Jesse J. Frank, Newton J. Frase, Ralph L.	411 Humboldt Pky., Buffalo, N. Y.	.5
8ANF 8HZ	Frase, Ralph L	546 E. Buchtel Ave., Akron, Ohio	.5
8HZ	Fraser, John W	1280 West Ave., Buffalo, N. Y	.5
8VX 8NB	Frase, Kalph E Fraser, John W. Fraser, William T Frederick, Paul E French, Samuel W Frey, Frederick E	Crafton, Pa.  464 Rhodes Ave., Akron, Ohio. 2024 Glenwood Ave., Toledo, Ohio. 129 Dartmouth St., Rochester, N. Y. South Butler, N. Y. Clarks Summit, Pa. 271 Calumet Ave., Detroit, Mich. 322 Walnut St., Flint, Mich. 1556 E. 66th St., Cleveland, Ohio. 411 Humboldt Pky., Buffalo, N. Y. 546 E. Buchtel Ave., Akron, Ohio. 1280 West Ave., Buffalo, N. Y. 48 Glenwood Ave., Buffalo, N. Y. 215 Clay St., Tiffin, Ohio.	1.0
8NC	French, Samuel W.	10 Fargo Ave., Ashtabula, Ohio.	.5
8AF	Frey, Frederick E	155 Poplar St., Mansfield, Ohio	1.0
8DP		4208 Florida Ave., Cincinnati, Ohio	1.0
8AU 8AV	Frost, Harry E. Fullwood, William R. Furlong, Marcie J. Fuss, Chester G.	48 Gienwood Ave., Buffalo, N. Y. 215 Clay St., Tiffin, Ohio. 10 Fargo Ave., Ashtabula, Ohio. 155 Poplar St., Mansfield, Ohio. 4208 Florida Ave., Cincinnati, Ohio. 552 Glenwood Ave., Buffalo, N. Y. 1017 Pollock Ave., New Castle, Pa. 711 N. Main St., Clyde, Ohio. Little Valley, N. Y. Brockwayville, Pa. 110 W. Main St. Venta Ohio.	1.0
8OJ	Furlong, Marcie J	711 N. Main St., Clyde, Ohio.	
8KP	Fuss, Chester G	Little Valley, N. Y	1.0
8TH 8AEM	Gallo, Tony Galloway, W. Lyon Gamble, Frederick D Gamble, Howard B	Brockwayville, Pa.	1.0
8PK	Gamble Frederick D	2412 Putnam St., Aema, Onio	1.0 1.0
8ASP	Gamble, Howard B.	2537 E. 128th St., Cleveland, Ohio.	1.0
8KC	Gammon, Joseph Garrity, William D. Gebhard, Louis A.	597 East Ave., Rochester, N. Y	.5
8IO	Garrity, William D	20 W. Genesee St., Lockport, N. Y.	. 5
8EG 8AX	Gentzsch Looperd U	102 Northompton St. Buffalo, N. Y.	1.0
8AKT	Gentzsch, Leonard H. George, Charles C. Gerhard, David H.	81 E. Tremaine Ave., Kenmore, N. Y.	.5
SAEC	Gerhard, David H	R. F. D. No. 3, Hamilton, Ohio	.5
8AKW	Giesenberg, Carl	Brockwayville, Pa.  110 W. Main St., Xenia, Ohio.  2412 Putnam St., Toledo, Ohio.  2537 E. 128th St., Cleveland, Ohio.  597 East Ave., Rochester, N. Y.  20 W. Genesee St., Lockport, N. Y.  1127 Ellicott St., Buffalo, N. Y.  102 Northampton St., Buffalo, N. Y.  81 E. Tremaine Ave., Kenmore, N. Y.  81. F. D. No. 3, Hamilton, Ohio.  3499 Boudinot Ave., Cincinnati, Ohio.  11703 Castlewood St., Cleveland, Ohio.	. 5
8WI 8SN	Glatzell Forla D	11703 Castlewood St., Cleveland, Ohio	1.0 1.0
8ANV	Glesenberg, Carl. Gillmore, Willard F Glatzell, Earle D. Glause, Edwin H.	539 S. 1st St., Ann Arbor, Mich	.5
	Glenville High School. See		
8DS	Glenville High School. See Allyn, William P. Godley, Gordon F. Goetz, Carl P. Gogel, Adelbert I.	920 Pine St. Port Huron Mich	
8RY	Goetz, Carl P	929 Pine St., Port Huron, Mich. 1518 Knowlton St., Cincinnati, Ohio.	.5
8AW	Gogel, Adelbert J	628 S. Brie St., Toledo, Ohio. 443 North Ave., Girard, Ohio. Cazenovia, N. Y	1.0
8MZ	Goodrich, Harry	443 North Ave., Girard, Ohio	
8VH 8QK	Googin, Nicholas L., jr	Cazenovia, N. Y Oberlin, Ohio	1.0
8EI	Googl, Adeibert J Goodrich, Harry Googlin, Nicholas L., jr Gould, Henry W Gray, Clarence N	74 Ryan St., Buffalo, N. Y	.5
8IW	Green, John B	Booth St., Áshtabula, Ohio	.5
8ADT	Greenwald, Hugo. Greenwell, Robert. Gregory, P. L. Grieb, Edward J.	9815 Westchester Ave., Cleveland, Ohio	1.0
8ASQ 8UW	Gregory P L	2001 Washington St. Connegut Objo	1.0
8CG	Grieb, Edward J	121 Rose St., Springfield, Ohio.	1.0
8WA	Griffin, Jesse W	Middlefield, Ohio	. 5
8IA	Griffin, Jesse W Griffin, John F Griggs, Kenneth C Grinnell, Russell R	5213 Superior Ave., Cleveland, Ohio.	1.0
8ANM 8CK	Grinnell Russell B	Richmond Mich	.5
8ABM	I (trosse Herbert B	346 Germania St., Columbus, Ohio	.5
8QR	Grostick, George E	Oberlin, Ohio 74 Ryan St., Buffalo, N. Y. Booth St., Ashtabula, Ohio. 9815 Westchester Ave., Cleveland, Ohio. 6302 Utica St., Cleveland, Ohio. 220½ Washington St., Conneaut, Ohio. 121 Rose St., Springfield, Ohio. Middlefield, Ohio. 5213 Superior Ave., Cleveland, Ohio. 149 Forest St., Wellington, Ohio. Richmond, Mich. 346 Germania St., Columbus, Ohio. 1605 Wagar Ave., Lakewood, Ohio. 115 Montclair Ave., Crafton. Pa. Grove City, Pa.	1.0
8HE	Grotticelli, Emil	115 Montclair Ave., Crafton, Pa	1.0
8CO	Grove City College	Grove City, Fa	1.0

#### **EIGHTH DISTRICT—Continued.**

Call signal.	Owner of station.	Location of station.	Pov
			K
BKM BJA	Guest, Wesley T	13 Babcock Ave., Silver Creek, N. Y	10
SDI SDI	Gunn, Ross	369 W. Lorain St., Oberlin, Ohio	100
SARQ	Gurney Daniel	1113 N Main St Jamestown N V	H
8PZ	Gurney, Daniel. Guy, Fred E.	24 Jewell St., Rochester, N. Y.	138
8RO	Gwinner, Frederick, 3d Haderer, John Hall, Eldred R	369 W. Lorain St., Oberlin, Ohio. Howell, Mich. 1113 N. Main St., Jamestown, N. Y. 24 Jewell St., Rochester, N. Y. 5th Ave. and Amberson St., Pittsburgh, Pa. 330 Fox St., Buffalo, N. Y. 410 Center St., Solvay, N. Y. 29 Martin Ave., Amherst, Ohio. 337 S. Main St., Charlotte, Mich. 1045 Lyson St. NE., Grand Rapids, Mich. 53 Vassar St., Rochester, N. Y. 70 Schutz Ave., Buffalo, N. Y. 1716 Buena Vista St., Pittsburgh, Pa. 31 Deer St., Plymouth, Mich. 7325 Clinton Ave., Cleveland, Ohio. 21 Vine St., Pittsburgh, Pa. North Fairfield, Ohio.	1
8QB	Haderer, John	330 Fox St., Buffalo, N. Y.	
8MD	Hall, Eldred R	410 Center St., Solvay, N. Y.	
SAOM SUS	Hamel, Arthur Hancock, H. W Hand, Ledyard M Handler, Eugene H Henklin, John H	337 S Main St Charlotte Mich	100
SAGT	Hand, Ledvard M	1645 Lyson St. NE., Grand Rapids, Mich.	
BTB	Handler, Eugene H	53 Vassar St., Rochester, N. Y	100
BNW	Hankin, John H	30 Schutz Ave., Buffalo, N. Y	100
8AMI 8AZ	Hanny, George	1716 Buena Vista St., Pittsburgh, Pa	
8NO	Hanny, George Hansen, Edmund H Hansen, Torvald	7325 Clinton Ave. Cleveland Ohio	
BASE	Hantman, Alexander.  Hanville, Roy A  Harber, Elwood F.  Hardesty, Howard P.  Hare, Paul W.	21 Vine St., Pittsburgh, Pa.	100
SAGE	Hanville, Roy A	North Fairfield, Ohio. 507 Columbia Ave., Rochester, N. Y. 1186 Canton Ave., Detroit, Mich.	
8WT 8WY	Harber, Elwood F	507 Columbia Ave., Rochester, N. Y	100
SWY SNR	Hardesty, Howard P	Near Fredericktown Obje	
SAGS	Hart, I. Bruce	Near Fredericktown, Ohio. 1215 S. Arch Ave., Alliance, Ohio.	100
8OH	Harter, Raymond	Spencerville, Ohio	130
BAM	Hartle, Wilbert G	1438 W. 114th St., Cleveland, Ohio	
8AKH	Hart, I. Bruce Harter, Raymond Hartle, Wilbert G Hartwick, Harry S Hausding, William A Hawks, Harry L Haynes, William Helbling, William E Henes, Christian	Spencerville, Ohio. 1438 W. 114th St., Cleveland, Ohio. R. F. D. No. 1, Clarks Summit, Pa Traverse City, Mich.	
8AA 8AHN	Hausding, William A	Floring Po	152
FH	Havnes, William	Fleming, Pa. 102 N. Florence St., Springfield, Ohio. 36 Marion Ave., Crafton, Pa. 604 Main St., Hamilton, Ohio	
SAAE	Helbling, William E	36 Marion Ave., Crafton, Pa.	
SAPG	Henes, Christian	604 Main St., Hamilton, Ohio	1
SEX	Henlein, Carl A Henninger, Alan E	2446 Mount Ave., Norwood, Obio	135
BGN BAKF	Henner Earl	604 Main St. Hamilton, Ohio 2446 Mount Ave., Norwood, Ohio. 11220 Clifton Blvd., Cleveland, Ohio. 450 Morgan St., Pittsburgh, Pa. 26 S. Linwood Ave., Crafton, Pa. R. F. D. No. 6, Paw Paw, Mich. 4129 Carter St., Norwood, Ohio. 1340 Lakeland Ave., Lakewood, Ohio. 214 Lake Ave., Elyria, Ohio. 1072 W. Market St., Lima, Ohio. 2 Taft Ave. Detroit Mich.	
BARM	Hepner, Earl Herrick, Robert E Herrington, Fred	26 S. Linwood Ave., Crafton, Pa.	150
8WB	Herrington, Fred	R. F. D. No. 6, Paw Paw, Mich	130
BLZ	Hess, Elmer	4129 Carter St., Norwood, Ohio	
SWE SAMT	Hickler, Walter K	1340 Lakeland Ave., Lakewood, Onio	
8PM	Higgy, Robert C.	1072 W Market St., Lima, Ohio	35
BLI .	Hill, Dormand S	2 Taft Ave., Detroit, Mich. Pittsburgh, Pa.	
8GB	Hill Top Y. M. C. A	Pittsburgh, Pa	100
8BA 8AST	Herrington, Fred. Hess, Elmer Hickler, Walter R. Higgins, Orlo M. Higgy, Robert C. Hill, Dormand S. Hill Top Y. M. C. A. Hiller, Herbert A. Hills, Harold C. Hills, Virgil A. and Harold G. Hinton, Don. Hirsch, Leo E. Hisey, Norval W. Hodgkins, Harley G. Hoehl, Raymond H. Hoffman, Donald A.	Pittsburgh, Pa. 141 Hanover St., Silver Creek, N. Y. Palermo, N. Y	
8KR.	Hills Virgil A and Harold G		
8OG	Hinton, Don	Cambridge, Ohio.	100
SUT SACA	Hirsch, Leo E	Cambridge, Ohio.  1281 S. High St., Columbus, Ohio  2055 Broadway, Toledo, Ohio.  Massena, N. Y.  238 Orchard St., Pittsburgh, Pa.  50 S. Balah St. Algren, Ohio.	1.00
8ACA	Hisey, Norval W	2055 Broadway, Toledo, Ohio	
8AMP 8AIH	Hookl Paymond H	Massena, N. Y.	
SADU	Hoffman, Donald A	50 S. Balch St., Akron, Ohio	
8AQO	Hofstetter, George E	286 S. State St., Marion, Ohio	
8QV	Hogan, James E	238 Orchard St., Pittsburgh, Pa 50 S. Balch St., Akron, Ohio 286 S. State St., Marion, Ohio 26 Lincoln Ave, Crafton, Pa 2920 Vernon Pl., Cincinnati, Ohio New Berlin, N. Y 310 Brown St., Grand Rapids, Mich 789 Prospect Ave., Buffalo, N. Y 32 Poplar St., Mansfield, Ohio Maumee, Ohio	
8FC	Holden, Ira S	Now Borlin N. V.	1
8MC 8DR	Holmes, Charles A. Holmes, Charles E. Holt, George W.	310 Brown St., Grand Rapids, Mich.	100
8HO	Holt, George W	789 Prospect Ave., Buffalo, N. Y	
8IC	Hoover, Paul L	32 Poplar St., Mansfield, Ohio	
8GT	Hoover, Raymond	Maumee, Ohio	
$^{ m 8BU}_{ m 8GQ}$	Hopkins, Cecil W Horn, Herbert E	S12 S. 9th St., Hamilton, Ohio 557 E. 117th St., Cleveland, Ohio 32 Milford St., Binghamton, N. Y	
8EP	Hornbeck, John	32 Milford St., Binghamton, N. Y.	
8PT	Hornbeck, John Hornung, Romey W. Horton, Paul E.	Lavelle, Pa	
8DA		207 Elmwood Ave., Newark, Ohio	18
8UR 8AEV	Hough Homer D	149 S. Maill St., Keyser, W. Va	
SAE V SARN	Houck, Hugh H	605 W. Hardin St., Findlay, Ohio	
8NF	House, Elra E.	272 N. Michigan St., Battle Creek, Mich.	
8AMZ	Houck, Homer D. Houck, Hugh H. House, Elra E. Hovey, Carlton F. Howard, Carl G. Howsare, George D. Howe, Richard H.	Lavelle, Pa. 207 Elmwood Ave., Newark, Ohio. 149 S. Main St., Keyser, W. Va. 430 Werner St., Youngstown, Ohio. 605 W. Hardin St., Findlay, Ohio. 272 N. Michigan St., Battle Creek, Mich. 476 Melville St., Rochester, N. Y. 183 S. Pine St., Newark, Ohio. 119 W. Decatur St., Eaton, Ohio. Cranville, Ohio.	1
8AGF	Howard, Carl G	183 S. Pine St., Newark, Ohio.	
8ASG 8ABR	Howe Richard U	Granvilla Ohio	
8ABK 8BB	Howes, Stanley L	515 Eleanor St., Kalamazoo, Mich.	
8ALT	Howland, Dwight	Edinboro, Pa.	
8FL 8AIJ	Howland, Dwight Hudson, Albert N Huey, Wesley Huff, Samuel W	Granville, Ohio  515 Eleanor St., Kalamazoo, Mich Edinboro, Pa. 406 Park Ave., Fulton, N. Y  Middlefield, Ohio 915 Campbell St., Williamsport, Pa	

#### EIGHTH DISTRICT—Continued.

#### ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call ignal.	Owner of station.	Location of station.	Powe
1	6		Kw.
AOY	Hughes, Edwin R	29 74th St., Carthage, Ohio. 763\(^1\) 15th St., Niagara Falls, N. Y  229 Main St., Cheboygan, Mich. 532 5th St., Niagara Falls, N. Y  1606 Grace Ave., Lakewood, Ohio. 1280 Courtland Ave., Columbus, Ohio. Capac Mich.	0
RR	Hull, Earl C	763½ 15th St., Niagara Falls, N. Y	1
AOE	Hull, James E	329 Main St., Cheboygan, Mich	1
HM	Human, Edward J. L Hummel, Richard O	532 5th St., Niagara Falls, N. Y	
00	Hummel, Richard O	1606 Grace Ave., Lakewood, Ohio	
NK ALM	Hunt, Barton L	Capac, Mich	
LX	Hunter, Noble A  Ilgenfritz, James I. E  Ilgenfritz, Lester M  Ingals, Allan C  Irvin, Daniel L  Irvin, Rebert B	Capac, Mich. 224 Elm Ave., Monroe, Mich. 22 E. Forest St., Detroit, Mich. 74 W. Ridge Ave., Crafton, Pa.	1
ON	Henfritz Lester M	2 F Forest St Detroit Mich	1
ARJ	Ingals Allan C	74 W Ridge Ave. Crafton Pa.	
AY	Tryin Daniel L	74 W. Ridge Ave., Cratton, Fa. Curwensville, Pa. 3501 Storer Ave., Cleveland, Ohio. 6505 Shetland Ave., Pittsburgh, Pa. 312 Beakes St., Ann Arbor, Mich. 647 Main St., Wheeling, W. Va. 1444 Lauderdale Ave., Lakewood, Ohio. 606 Parkside Ave., Buffalo, N. Y. Little Valley, N. Y.	1
RJ	Irvine, Robert P	3501 Storer Ave., Cleveland, Ohio	i
AGB	Jacks, Albert L	6505 Shetland Ave., Pittsburgh, Pa	
ACM	Jacobus, Roger	312 Beakes St., Ann Arbor, Mich	
BF	Jacobus, Roger Jarvis, Roy B	647 Main St., Wheeling, W. Va	1
TK	Jefferys, Paul M. Jensen, Luther J.	1444 Lauderdale Ave., Lakewood, Ohio	
ANU	Jensen, Luther J	606 Parkside Ave., Buffalo, N. Y	,
AGU	Jepson, Mark B	Little Valley, N. Y	,
ARL	Johnson, Gordon E	2240 Lawrence Ave., Toledo, Ohio	
CR SD	Johnston Clarence N	1225 Hill St. App Arbor Mich	1
HC	Johnston S. Paul	201 S. Craig St. Pittsburgh, Pa	
ACW	Jepson, Mark B Johnson, Gordon E Johnson, J. H. E Johnston, Clarence N Johnston, S. Paul Johnstone, Richard S Jones, D. Walter Jones, Hugo W Jones, Winferd E Judd, Max A Keghni Francis J	349 Glenn Ave., Springfield, Ohio 1335 Hill St., Ann Arbor, Mich. 201 S. Craig St., Pittsburgh, Pa. R. F. D. No. 2, Glenshaw, Pa. 643 Schuyler Ave., Dorranceton, Pa 109 Marshall St., Conneaut, Ohio. 87 Holland Ave., Lancaster, N. Y Chesaning, Mich. 2367 Scrapton Rd. Cleveland, Ohio	
UO	Jones, D. Walter	643 Schuvler Ave., Dorranceton, Pa	
ABN	Jones, Hugo W	109 Marshall St., Conneaut, Ohio	
PU	Jones, Winferd E	87 Holland Ave., Lancaster, N. Y	
PU	Judd, Max A	Chesaning, Mich	
AKQ AIV	Kaehni, Francis J Kaestle, Albert Kahn, Fred J	Chesaming Mich   3267 Stranton Rd., Cleveland, Ohio.   1473 Maple Rd., Cleveland Heights, Ohio.   1510 E. 123d St., Cleveland, Ohio.   1241 E. 103d St., Cleveland, Ohio.   221 Reservoir Ave., Rochester, N. Y   121 Resign St. Duylick N. Y   122 Resign St. Duylick N. Y   123 Resign St. Duylick N. Y   124 Resign St. Duylick N. Y   124 Resign St. Duylick N. Y   125	
AIV	Kaestle, Albert	1473 Maple Rd., Cleveland Heights, Ohio	
ADO	Kahn, Fred J	1510 E. 123d St., Cleveland, Ohio	0.5
QQ	Kample, Lordert J	1241 E. 103d St., Cleveland, Onio	
ATO	Kane, William C., Jr	412 Robin St. Dunkirk N. V.	
AIQ	Kampfe, Lorbert J Kane, William C., jr Karl, Rudolph Kauffman, Jacob W	208 Claremont Ave Ashland Ohio	
AGA	Katzenberger Raymond	Tiprecance City Ohio	
ALU	Katzenberger, Raymond Kays, George W., jr. Keen, William L. Kelly, Edward O.	403 Robin St., Dunkirk, N. Y.  208 Claremont Ave., Ashland, Ohio Tipp-ecanoe City, Ohio 242 Chestnut St., Liberty, N. Y.  4012 Colerain Ave., Cincinnati, Ohio. 18 Stratford Park, Rochester, N. Y.	
NM	Keen, William L	4012 Colerain Ave., Cincinnati, Ohio.	
ACN	Kelly, Edward O	18 Stratford Park, Rochester, N. Y	
ACN	Kelso, Herbert F	18 Stratford Park, Rochester, N. Y. Dravosburg, Pa. 199 Court St., Binghamton, N. Y. 289 Willow St., Meadville, Pa. 210 Allen St., Dayton, Ohio. 633 Cariton St., Toledo, Ohio. 655 S. Gratiot Ave., Mt. Clemens, Mich. 606 Cherry St., Niles, Ohio. Williamstown, W. Va. 119 N. Greenwood St., Marion, Ohio. 1402 Monterey St., Pittsburgh, Pa. 5920 Wellesley Ave., Pittsburgh, Pa.	
LOC	Kent, Arthur L	199 Court St., Binghamton, N. Y	
AEB	Kepler, M. Newton	289 Willow St., Meadville, Pa	
KA	Kepler, Ralph E	210 Allen St., Dayton, Onio	
QE PC	Kerstetter, J. Howard	165 C Cratiot Ave. Mt Clamons Mich	1
ASC	Kidd I William	606 Charry St. Niles Ohio	
AEK	Kiger Earnest W	Williamstown W Va	
FM	Kilbury, Walter A	119 N. Greenwood St., Marion, Ohio	
BD	Kimberly, Frank	1402 Monterey St., Pittsburgh, Pa	1
AQA	King, William R	5920 Wellesley Ave., Pittsburgh, Pa	
AQA AMY	Kelly, Edward O Kelso, Herbert F Kent, Arthur L Kepler, M. Newton Kepler, Ralph E Kerstetter, J. Howard Kersting, Ferdinand Kidd, J. William Kiger, Earnest W Kilbury, Walter A Kimberly, Frank King, William R King, William R Kingsbury, Ralph N Kinman, Carson Kinne, Laurence W	931 Rawson Ave., Fremont, Ohio. Frankfort, Mich.	
AAT	Kinman, Carson	931 Rawson Ave., Fremont, Ohio	
U	Kinne, Laurence W	Frankfort, Mich. 735 Huron St., Toledo, Ohio. 425 Cumberland Ave., Buffalo, N. Y. 611 S. Main St., Ann Arbor, Mich. 135 Murray Hill Ave., Pittsburgh, Pa. 375 Welch St., Columbus, Ohio. 4 Trankla Ave., Grand Rapids, Mich. 1337 W. 114th St., Cleveland, Ohio. 93 Chapin Parkway, Buffalo, N. Y. 107 Stedman, Sayre, Pa. 7711 Central Ave., Cleveland, Ohio. 2403 Highland Ave., Cincinnati, Ohio.	
EO QF RA	Kinney, Russell	425 Cumberland Ave. Buffels N. V.	
A C	Kirchner, Charles	611 C Main St Ann Arbor Mich	
3V	Klahar Jackson ()	1125 Murray Hill Ava Pittshurgh Po	
ROA	Klager, Oscar C. Kleber, Jackson O. Knapp, Forest H.	375 Welch St., Columbus, Ohio	
QS ON	Knappen, Bert	4 Trankla Ave., Grand Rapids, Mich.	
38	Knappen, Bert Kneale, C. Kewley	1337 W. 114th St., Cleveland, Ohio	,
MN	Knoll, Floyd A	93 Chapin Parkway, Buffalo, N. Y	]
AJN	Knott, Charles E	107 Stedman, Sayre, Pa	1
DK	Kobre, Frank	7711 Central Ave., Cleveland, Ohio	
AMB	Koch, Frank	2403 Highland Ave., Cincinnati, Ohio	
ADJ	Knelae, C. Kewley Knoll, Floyd A. Knott, Charles E. Kobre, Frank Koher, Frank Kohler, Harry W. Kohli, Homer J. Kohnit, Harvey F.	Danders, Ohio	
30	Kohnitz Harvey F	R F D No 2 Plymouth Mich	1
FL.	Konrad Henry	750 Ross Ave Hamilton Obje	1
FS	Konnit, Homer J. Kohnitz, Harvey F. Konrad, Henry. Kovatch, Alexander Krause, Karl A. Kreighbaum, Cyril H. Kremer, Harold E. Krose Jester P.	Pandora, Ohio.  R. F. D. No. 2, Plymouth, Mich.  750 Ross Ave., Hamilton, Ohio.  1780 Fulton Rd., Cleveland, Ohio.  244 S. Front St., Mt. Clemens, Mich.  12414 Ingomar Ave., Cleveland, Ohio.  717 W. Race St. Pottsville Pa	1
PD	Krause, Karl A	244 S. Front St., Mt. Clemens, Mich	
V	Kreighbaum, Cvril H	12414 Ingomar Ave., Cleveland, Ohio	1
MHY	Kremer, Harold E	717 W. Race St., Pottsville, Pa.	
CV		717 W. Race St., Pottsville, Pa. 302 Georgia Ave., Lorain, Ohio. 663 Hopkins St., Buffalo, N. Y. 1837 Clarion Ave., Cincinnati, Ohio.	
MW	Kreuzer, Joseph D. Kroeger, Gustav H.	663 Hopkins St., Buffalo, N. Y.	
BI .			1

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#### EIGHTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Kw
8HY	Kuehner, Roland	168 Kinsey Ave., Cincinnati, Ohio	. (
8EK $8ALD$	Kumpf, Elmer H	Crittenden, N. Y.	9 39
SEL	Kumpf, Elmer H. Lacock, Walter B. Langenbach, Leo	186 Riley St. Buffalo N V	4.00
8BK	Lappe, E. Robert	5520 Baywood St., Pittsburgh, Pa.	
8UP_	Lappe, E. Robert Lathrope, Lyman S. Leach, Frederick E.	63 St. John Ave., Binghamton, N. Y	1
SAQU STU	Leach, Frederick E	168 Kinsey Ave., Cincinnati, Ohio. Crittenden, N. Y. 235 W. Pike St., Canonsburg, Pa. 186 Riley St., Buffalo, N. Y. 5520 Baywood St., Pittsburgh, Pa. 63 St. John Ave., Binghamton, N. Y. 2 Orchard Ave., Auburn, N. Y. 232 Robinwood Ave., Toledo, Ohio. White High School, Toledo, Ohio. Yale, Mich.	158
8RB	Leach, Gardner V. Leach, J. Gardner	White High School Toledo, Ohio	1
8AGQ.	Learmont, Victor	Yale, Mich. 27 Inwood Pl., Buffalo, N. Y. Memphis, Mich.	
SUQ	Learmont, VictorLeary, Robert	27 Inwood Pl., Buffalo, N. Y	
8ADH 8KG	Lee, Harry H Leffler, Ralph H	Memphis, Mich	
8AFT	Leighton, Paul A	55 Lexington Ave., Columbus, Ohio	
8QD	Leighton, Paul A. Leonhardt, Carl.	14 Olive St., Norwalk, Ohio	1
SANL	Leppert, John L	611 E. Church St., Galion, Ohio	1-30
8UI 8MM	Leptert, John L. Lester, William G Levy, Irving R Lewis, Nelson Lewis, Walter E.	1333 E. Blyd. Claveland Ohio	
8ANQ	Lewis, Nelson	2921 Urwiler St., Cincinnati, Ohio.	
8QG	Lewis, Walter E	15 Hullet St., Horseheads, N. Y.	1
SAGN SLA	Lindsay, Alexander M., Jr	172 N Division St. Buffele N V	
8LJ	Linxweiler, Carl J.	140 Eagle St., Dayton, Ohio.	
SASA	Lininger, Clarence R	Memphis, Mich. Tiffin, Ohio.  55 Lexington Ave., Columbus, Ohio. 14 Olive St., Norwalk, Ohio. 611 E. Church St., Galion, Ohio 189 N. Division St., Buffalo, N. Y. 1333 E. Blvd., Cleveland, Ohio. 2921 Urwiler St., Cincinnati, Ohio. 15 Hullet St., Horseheads, N. Y. 600 Park Ave., Rochester, N. Y. 172 N. Division St., Buffalo, N. Y. 140 Eagle St., Dayton, Ohio. 614 N. Broad St., Ridgway, Pa. 195 Rozelle Ave., East Cleveland, Ohio. 1825 Michigan Ave., Detroit, Mich.	3
BBE BMR	Lippert, John P.	195 Rozelle Ave., East Cleveland, Ohio	
RH	Locke, Carl M	1500 Coutant St. Lakewood Ohio	
SAPE	Lockwood, Harry P	312 Huron St., South Haven, Mich.	
SLF	Loebs, George	1139 St. Paul St., Rochester, N. Y	
BGU BAAN	Lobrey Clarence P	1825 Michigan Ave., Detroit, Mich. 1500 Coutant St., Lakewood, Ohio. 312 Huron St., South Haven, Mich. 1139 St. Paul St., Rochester, N. Y. 11444 Euclid Ave., Cleveland, Ohio. 1210 E. Ludlow St., Hamilton, Ohio.	1123
BGR	Long, Charles A.	516 5th St., Oakmont, Pa	1.00
3JG	Lord, Harry R	516 5th St., Oakmont, Pa 531 Beach Ave., Cambridge Springs, Pa 63 E. Pine St., Gloversville, N. Y	- 10
SQC SBO	Lucas, W. Gerald	63 E. Pine St., Gloversville, N. Y	1.118
SJX	MacCandless Lyon H	351 Jefferson St. Rochester, Pa	1
BP	Lewis, Nelson Lewis, Walter E. Lindsay, Alexander M., jr. Lindsay, Percy H. Linxweiler, Carl J. Lininger, Clarence R. Lippert, John P. Livinggood, Hubert W. Locke, Carl M. Lockwood, Harry P. Loebs, George Loher, George R. Lohrey, Clarence R. Long, Charles A. Lord, Harry R. Lucas, W. Gerald. Lyons, Henry E. MacCandless, Lyon H. Macer, Arthur J. Mack, Clifford J. MacKnight, J. Donald. MacLaughlin, Donald. MacLaughlin, Donald.	Ripley, N. Y. 351 Jefferson St., Rochester, Pa. 37 Jefferson St., Westfield, N. Y.	1
EA	Mack, Clifford J	49 McGovern Ave., Ashtabula, Ohio	
BAFO BAKR	Mackinght, J. Donald	2070 Hampshire Rd. Claveland Heights Objection	
BLM BUN	MacLaughlin, Donald	261 W. 8th St., Marysville, Ohio	
BUN	MacPherson, William D	549 A St., Lorain, Ohio	
BIR	MacLaren, Wallace E. MacLaughlin, Donald MacPherson, William D. Maddock, Lewis D. Magdeburg, Morris R. Magregor, James E. Malbin, Samuel	2979 Hampshire Rd., Cleveland Heights, Ohio. 261 W. 8th St., Marysville, Ohio. 549 A St., Lorain, Ohio. 183 Winkles St., Elyria, Ohio. 1306 Spruce St., Ashland, Pa. 211 Gold Ave., Grand Rapids, Mich. 12 S. Gratiot Ave., Mt. Clemens, Mich. 728 Elm Pl. Kelamazoo Mich.	
MO.	Magregor, James E	211 Gold Ave., Grand Rapids, Mich.	1
PF	Malbin, Samuel Mann, Frank W. and Orville	12 S. Gratiot Ave., Mt. Clemens, Mich	
BABO	Mann, Frank W. and Orville	120 milit i ii, italiana 200, militari i i i i i i i i i i i i i i i i i i	
ON	L. Mann Rolland	53 Good Ave., Buffalo, N. Y 3315 Monroe Ave., Cleveland, Ohio. 298 Prospect Ave., Meadville, Pa. 527 Mitchell St., Petoskey, Mich. 517 W. Delaware Ave., Toledo, Ohio 2234 Putnam St., Toledo, Ohio Cazenovia, N. Y. Oak Grove, Mich. 165 S. 26 St., Fulton, N. Y	6.00
QN JZ	Manning, Alfred J	3315 Monroe Ave., Cleveland, Ohio.	1
MI	Mann, Rolland Manning, Alfred J Manning, Howard	298 Prospect Ave., Meadville, Pa	-
AEN RV	Marshall Frank I	517 W Delaware Ave Toledo Obio	
SC	Marshall, Leonard A	2234 Putnam St., Toledo, Ohio.	
UV	Manning, Stuart M Marshall, Frank J Marshall, Leonard A Marshall, Ronald A	Cazenovia, N. Y	
EV BN	Mason, Carl D Mason, George W Mason, Norman P Matthes, Frank P Mattice, William A Maxon, Harry L Maynard, Reginald McBride, George	Oak Grove, Mich	6.80
OR	Mason, Norman P.	85 Brinkerhoff St., Plattsburg, N. Y.	
AHA	Matthes, Frank P	14 8th St., Rochester, N. Y	
AER MB	Mattice, William A	105 Highland Pl., Ithaca, N. Y.	
SY	Maynard Reginald	920 Grandview St. Scranton, Pa	
ARH		706} Litchfield St., Bay City, Mich.	
GD	McCaffry, Angus	103 W. Willis Ave., Detroit, Mich.	
ND GF	McCowon Jack	38 Morgan St., Oberlin, Ohio	
HI	McCowan, Jack. McCracken, Harold J.	Cazenovia, N. Y. Oak Grove, Mich 165 S. 2d St., Fulton, N. Y. 85 Brinkerhoff St., Plattsburg, N. Y. 14 8th St., Rochester, N. Y. 105 Highland Pl., Ithaca, N. Y. 267 Brinkman St., Buffalo, N. Y. 920 Grandview St., Scranton, Pa. 706½ Litchfield St., Bay City, Mich. 103 W. Willis Ave., Detroit, Mich. 38 Morgan St., Oberlin, Ohlo 908 8th St., Port Huron, Mich. 1540 12th St., Detroit, Mich. 5801 Stanton Ave., Pittsburgh, Pa. 103 Dow St., Falconer, N. Y.	
WH	McCullough, C. Hax.	5801 Stanton Ave., Pittsburgh, Pa	
AED CZ	McCutcheon, William A	103 Dow St., Falconer, N. Y.	
IK	McDowell M Fay	612 Mithoff St., Ashtabula, Ohio	
QI	McEniry, Clifford U.	875 Michigan Ave., Buffalo, N. Y.	
AOU	McKee, Robert R	7008 Church Ave., Ben Avon, Pa	
TD NC	MeMillan, Howard F	1540 12th St., Detroit, Mich. 5801 Stanton Ave., Pittsburgh, Pa. 103 Dow St., Falconer, N. Y. 17 Colorado St., Ashtabula, Ohio. 612 Mithoff St., Columbus, Ohio. 875 Michigan Ave., Buffalo, N. Y. 7008 Church Ave., Ben Avon, Pa. 217 W. High St., Mt. Gilead, Ohio. Cambridge, Ohio. Olivers Mills, Pa. 6428 Aurelia St., Pittsburgh, Pa.	
TG	Meighan, James C	Olivers Mills Pa	
BQ.	Ormani omanio C	CARTON MALLON A CO CONTROL OF THE CO	

#### EIGHTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
8AKS	Meredith, C. Palmer	628 S. Fountain St., Springfield, Ohio	1.0
8A KJ 8IB	Merrick, W. Bernard. Mielke, Carl E. Miller, Arthur Miller, Arthur P. Miller, Carl E., jr. Millspaugh, Frederick. Milly Starban.	156 Marshall St., Conneaut, Ohio. 3619 Grenada St., Pittsburgh, Pa	.5 .5 .5 .5 .5 .5 .5 .5
8PA	Miller, Arthur	Spencerville, Ohio	.5
8IR	Miller, Arthur P	Spencerville, Ohio. 14 Beuland Ave., Mt. Clemens, Mich.	. 5
8AAX 8ASB	Miller, Carl E., Jr	71 Aurora St., Lancaster, N. Y. 73 Gaylord St., Binghamton, N. Y. Mount Carmel, Pa. 2253 E. Jefferson St., Detroit, Mich. 539 Main St., Findlay Ohio. 8806 Blaine Ave, Cleveland, Ohio. R. F. D. No. 1, Oxford, Ohio.	.5
8QM	Millspaugn, Frederick Milyo, Stephen. Miner, Simeon J. Mitchell, Edward H. Mitchell, Phillip Mitchell, William E. Mittendorf, Earl D. Moershelder, Herbert L.	Mount Carmel, Pa	.5
8BR	Miner, Simeon J	2253 E. Jefferson St., Detroit, Mich.	. 5
80W 8UL	Mitchell, Edward H	8806 Blaine Ave. Clayeland Obio.	1.0
8EZ	Mitchell, William E	R. F. D. No. 1. Oxford, Ohio	.5 .5 1.0
8AES	Mittendorf, Earl D		1.0
8HP 8JF	Moershfelder, Herbert L Moon, Orville P Moore, Chester Moore, Harold S	34 Ketchum Pl., Buffalo, N. Y.	.5
8UG	Moore, Chester	28 Linden Ave., Buffalo, N. Y.	.5 .5 .5
8AFN	Moore, Harold S	18 Locust St., Norwich, N. Y	.5
8UZ 8AAD	Moore, John B Moore, John H. Morris, Carleton D.	141 Park St., Buffalo, N. Y	. 5
8AGK	Morris, Carleton D	31 Monroe St., Monroeville, Ohio	.5
8AOF	Morrow, Lorentz A	1231 E. High St., Springfield, Ohio	1.0
8NE	Mosteller, Floyd	East Stroudsburg, Pa. St. Augustine's School, Cincinnati, Ohio.	. 5 1. 0
8UE 8AAL	Motz, Leo	1603 Lincoln Ave Lakewood Ohio	1.0
8SR	Moyer, Gilbert G Mueller, Henry C Muhlbeyer, Charles W	1919 Doll St., Pittsburgh, Pa.	.5
8AS	Muhlbeyer, Charles W	State Hospital, Rochester, N. Y.	. 5
8ST 8IS	Muhlheizler, Louis	1603 Lincoln Ave., Lakewood, Ohio. 1919 Doll St., Pittsburgh, Pa. State Hospital, Rochester, N. Y 530 Fernando St., Pittsburgh, Pa. 105 Excelsior St., Pittsburgh, Pa.	1.0
010	Dert A.	100 DACOBIOL DU., I RUSDUIGH, I d	
8AIR	Munro, Glenn A. Munsell, Robert S.	25 Calvert Ave., Detroit, Mich	.5
8EB 8AAM		191 Center St., Ashtabula, Ohio	.5
8ANZ	Murdoch, William B., jr Murray, Charles J.	701 W. Fair St., New Philadelphia, Ohio	.5
SAIE	Muryne, Leo F. J	633 W. North St., Kalamazoo, Mich	.5 .5
8EN	Myers, George E	R. F. D. No. 1, Grand Blane, Mich.	.5
8HD 8ABD	Murray, Charles J. Muryne, Leo F. J. Myers, George E. Myers, Homer B. Myers, Walter L.	25 Calvert Ave., Detroit, Mich 191 Center St., Ashtabula, Ohio. 301 W. College St., Canonsburg, Pa 701 W. Fair St., New Philadelphia, Ohio 633 W. North St., Kalamazoo, Mich R. F. D. No. 1, Grand Blanc, Mich 1310 Huron Rd., Cleveland, Ohio. 1512 W. Market St., Steubenville, Ohio. 52 Foster Ave. Norwalk Ohio	1.0
8LO	Nabring, Franklin	1512 W. Market St., Steubenville, Ohio. 52 Foster Ave., Norwalk, Ohio. 1604 St. Clair St., Cleveland, Ohio. 500 Chartiers Ave., McKees Rocks, Pa. 111 Orchard St., Solvay, N. Y. 685 W. Ferry St., Buffalo, N. Y. Cherry & 3d Sts., Jamestown, N. Y. 565 School St., South Haven, Mich. Cattaraugus, N. Y. 517 E. 5th St., Jamestown, N. Y. 77 Melbourne Ave., Detroit, Mich. Ranson, W. Va. 332 N. Bever St., Wooster, Ohio Montclair St. and Stratford Ave., Crafton, Pa. 28 Roxford Rd., East Cleveland, Ohio. Frankford, Mich. 87 Frederick Ave., Detroit, Mich. 4152 Webster Ave., Norwood, Ohio.	.5
8TP	Nabring, Franklin Nealon, William A Neupert, Robert E Newbold, James L	1604 St. Clair St., Cleveland, Ohio	.5
8MP 8TI	Newhold James I.	111 Orchard St. Solvay N. V.	1.0
SARC	Newman, Ansley Newton, Archibald E	685 W. Ferry St., Buffalo, N. Y.	.5
8KS	Newton, Archibald E	Cherry & 3d Sts., Jamestown, N. Y.	1.0
SAPT	Newton, Harold D. Nichols, Raymond B.	Cottorougus N V	.5
8JH 8ACE	Norquist, Reynold O	517 E. 5th St., Jamestown, N. Y.	.5
8ID	Norris, George H	77 Melbourne Ave., Detroit, Mich	1.0
8BL	O'Bryan, James W	Ranson, W. Va	. 5
8KN 8WL	O'Leary Hilary	Montclair St. and Stratford Ave. Crafton, Pa	1.0
8ASS	Olney, Clarke	28 Roxford Rd., East Cleveland, Ohio	.5
8ADQ 8DF	Olson, Elvin E	Frankford, Mich	. 5
8DL	Norquist, Reynold O Norris, George H O'Bryan, James W Odenkirk, Russell O'Leary, Hilary Olney, Clarke Olson, Elvin E Orrell, Robert W Osterbrock, Edward and Harry, ir.	4152 Webster Ave., Norwood, Ohio	.5
	Harry, jr. Ottney, James N. Paasch, Harold. Palmer, Roland F.		
8SJ	Ottney, James N	Gibsonburg, Ohio	1.0
8AGX 8LB	Palmer Roland F	470 E. Buchtel Ave. Akron. Ohio	.5
8ACD		333 Pennsylvania Ave., Lansing, Mich	1.0
8OT	Pancest, Maurice H. Pardridge, Clarence R. Pardridge, Walter T. Parmington, Walter O. Parmy Konneth F.	R. F. D. No. 6, Lansing, Mich.	1.0
8AAK 8CS	Pardridge, Clarence R	2030 Washington Ave Saginaw Mich	1.0
8AJA	Parmington, Walter O	1151 E. Main St., Rochester, N. Y.	.5
8AIG	Parry, Kenneth E	1226 Gillette St., Port Huron, Mich	. 5
8ASR 8CV	Parry, Kenneth E Paul, George Payne, Arthur F Pearce, Henry A Peck, George W	Gibsonburg, Ohio 215 W. Front St., Erie, Pa. 470 E. Buchtel Ave., Akron, Ohio. 333 Pennsylvania Ave., Lansing, Mich. R. F. D. No. 6, Lansing, Mich. S21 Nimons St., Saginaw, Mich. 3039 Washington Ave., Saginaw, Mich. 1151 E. Main St., Rochester, N. Y. 1226 Gillette St., Port Huron, Mich. 2950 E. 57th St., Cleveland, Ohio. 629 Pierce St., Birmingham, Mich. 223 Cedar St., Buffalo, N. Y. 1014 Vine St., Scranton, Pa. 136 Woodbine Ave., Rochester, N. Y. Lisle, N. Y. 2888 Fulton Rd., Cleveland, Ohio.	1.0
8CY 8VA	Pearce, Henry A.	223 Cedar St., Buffalo, N. Y.	.5
80Y	Peck, George W	1014 Vine St., Scranton, Pa.	1.0
8AMK 8AEF	Perry, Paul A	Liele N. V. Rochester, N. Y	.5
8SG	Pesek, Myron R	3288 Fulton Rd., Cleveland, Ohio.	1.0
8HT	Petz, Joseph	10 Lowell St., Rochester, N. Y	.5
8ARA	Peters, Edward	188 N. 21st St., Columbus, Ohio	.5
$^{8}_{8}$ DJ	Phillips, Glenn E	551 McKintrys Ave., Detroit, Mich.	1.0
8HB	Phillips, Maynard W	130 w 00d line Ave., Rochester, N 1 Lisle, N, Y 2888 Fulton Rd., Cleveland, Ohio 10 LowellSt., Rochester, N, Y 188 N, 21st St., Columbus, Ohio 203 N. Almer St., Caro, Mich 551 McKintrys Ave., Detroit, Mich. Conewango, N. Y	.5

#### EIGHTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Pow
	TN III - WINI M	TT Washed Ct. Mt. Clauses Wish	Kw
8ANX 8CX 8AKB	Phillips, William M	77 Market St., Mt. Clemens, Mich. R. F. D. No. 4, Battle Creek, Mich.	(
OA IZ B	Pickops Willard H	200 Hazelwood Ave Emsworth Pa	
8GJ	Piper, Floyd B	142 Breckenridge St., Buffalo, N. Y.	T.
8CJ	Plantinga, John G	10321 Ashbury Ave., Cleveland, Ohio	
8RU	Poad, Edwin H	1509E.123d St., Cleveland, Ohio	
8AGP	Popky, Charles J	212 E. Market St., Wilkes-Barre, Pa	
8QW 8HQ	Pour Noel I	432 Pine St Meadville Pa	
8QP	Phillips, William M Phippeny, Forest I Pickens, Willard H Piper, Floyd B Plantinga, John G Poad, Edwin H Popky, Charles J Potts, Charles G Poux, Noel J Powell, Ralph C Poysell, Robert E Preece, Richard, jr Preston, Kenneth G Preston, Menzo D Prince, Harmon Proffitt, Jerome B Proper, Jesse B	R. F. D. No. 4, Battle Creek, Mich. 209 Hazelwood Ave., Emsworth, Pa. 142 Breckenridge St., Buffalo, N. Y. 10321 Ashbury Ave., Cleveland, Ohio. 1509 E. 123d St., Cleveland, Ohio. 212 E. Market St., Wilkes-Barre, Pa. 726 W. Norwegian St., Pottsville, Pa. 432 Pine St., Meadville, Pa. 5236 Westminster Pl., Pittsburgh, Pa. 839 E. Ridgeway Ave., Cincinnati, Ohio. 2124 N. 12th St., Toledo, Ohio. 537 W. Walnut St., Ashland, Ohio. 424 E. Main St., Wellington, Ohio. 3214 W. 88th St., Cleveland, Ohio. 471 Lincoln Ave., Bridgeport, Ohio. 823 Elizabeth St., Flint, Mich.	1
8WQ	Poysell, Robert E	839 E. Ridgeway Ave., Cincinnati, Ohio	11.4
8ME	Preece, Richard, jr	2124 N. 12th St., Toledo, Ohio	753
8ADX	Preston, Kenneth G	537 W. Walnut St., Ashland, Ohio.	. 3
880	Prince Harmon	3214 W 88th St. Cleveland Ohio	
8FY 8NT	Proffitt, Jerome B	471 Lincoln Ave., Bridgeport, Ohio.	
8AKP	Proper, Jesse B	823 Elizabeth St., Flint, Mich. 175 De Russey St., Binghamton, N. Y. 146 S. Bryant Ave., Bellevue, Pa. 24 Johnson Pk., Buffalo, N. Y. 209 Belvedere St., Charlevoix, Mich.	
8ASL	Proutey, Laurence	175 De Russey St., Binghamton, N. Y	1
8AOD	Ragsdale, Charles C. C	24 Johnson Ply Ruffele N. V	
8AJS 8IN	Ranger, Arthur	209 Belvedere St. Charlevoix Mich	
8ADA	I Rann Maurice B	Morrice, Mich	
8JL	Raring, William. Rawson, Myron A	20 Dinsmore Ave., Crafton, Pa	
8LS	Rawson, Myron A	535 Lodi St., Elyria, Ohio	
8AQM	Redington, Edmond B	20 Dinsmore Ave., Crafton, Pa. 535 Lodi St., Elyria, Ohio. 436 Waverly St., Waverly, N. Y. 2633 Norwood Ave., Pittsburgh, Pa. 288 Emerson St., Rochester, N. Y. 11423 Ashbury Ave., Cleveland, Ohio. Morrison and Cleveland Aves., Pittsburgh, Pa. 4118 Limestone St. Springfold, Ohio.	
8ALS 8CE	Reeves Arthur A. ir	288 Emerson St., Rochester, N. Y	
8AP	Reich, Herbert	11423 Ashbury Ave., Cleveland, Ohio.	
8APW	Reed, Arthur J. Reeves, Arthur A., jr. Reich, Herbert. Reichle, Henry W. Reid, Thomas A.	Morrison and Cleveland Aves., Pittsburgh, Pa	
8SP	Reid, Thomas A	Tio Ci Line Stone St., Springheid, Onto	
8AHO	Reid, Tromas A Reidenbach, Lester A Rembold, Walter O Reynolds, Charles L Reynolds, Marion B Rice Honger D	120 Hershey St. Doyton Obje	
8AGI 8OP	Reynolds Charles L	25 Sturges St., Binghamton, N. Y.	
SAEL	Reynolds, Marion B	353 Birr St., Rochester, N. Y.	-
8LD		150 Livingston St., Buffalo, N. Y.	
8TJ	Rich, Martin	100 Hershey St., Dayton, Ohio. 25 Sturges St., Binghamton, N. Y. 353 Birr St., Rochester, N. Y. 150 Livingston St., Buffalo, N. Y. 2259 E. 85th St., Cleveland, Ohio. 70 Davenport St., Detroit, Mich. 241 E. Center St., Shenandoah, Pa. 5811 Lexington Ave., Cleveland, Ohio. Lowellyille, Ohio.	
8AQG 8TW	Richardson, Norton Richey, Joseph L	241 E. Center St., Shenandoah, Pa	5.50
8AC		5811 Lexington Ave., Cleveland, Ohio.	
8AGJ	Ricksecker, Russell E. Riehle, J. F. Rippl, Lewis M.	Lowellville, Ohio. 1642 Cedar Ave., Cincinnati, Ohio. 1601 2d St. NE., Canton, Ohio.	199
8V D	Riehle, J. F	1642 Cedar Ave., Cincinnati, Ohio	
8AEU	Rippl, Lewis M	Lake City, Mich	
8MS 8AFK	Ritchey, Ole B. Robertson, Adelbert R. Robinson, David K. Robinson, David L. Robie, Milo H. Rodd, Herbert C.	Lake City, Mich. 7938 Tioga St., Pittsburgh, Pa. Frankfort, Mich. 513 Freeport Rd., New Kensington, Pa. Williamson, N. Y. 2047 W. 101st St., Cleveland, Ohio.	(
8BW	Robinson, David K	Frankfort, Mich.	
8AAF	Robinson, David L	513 Freeport Rd., New Kensington, Pa	-
8MF	Robie, Milo H	Williamson, N. Y	
8WX 8ASI		909 Egleston Ave Kalamazoo Mich	
8DT	Rogers Grant	2065 McKinley Ave., Lakewood, Ohio.	190
8GM	Root, Leland B	711 Utica St., Fulton, N. Y.	185
8GM 8LY	Rogers, Grant	2047 W. 101st St., Cleveland, Ohio. 909 Egleston Ave., Kalamazoo, Mich 2065 McKinley Ave., Lakewood, Ohio. 711 Utica St., Fulton, N. Y. 77 Johnson St., Buffalo, N. Y. 375 Commonwealth Ave., Detroit, Mich 60 Warwick Ave., Rochester, N. Y. 295 Maple St., Buffalo, N. Y. 160 Martin Ave., Columbus, Ohio 909 Kensington Ave. SW., Grand Rapids, Mich 2125 E. 79th St., Cleveland, Ohio. 204 Breaden St., Youngstown, Ohio. 1453 14th Ave., Detroit, Mich. 44 Apple St., Tiflin, Ohio. 84 Chope Pl., Detroit, Mich. Shenandoah, Pa. 141 4th Ave., Gallipolis, Ohio. Milan, Ohio.	-
8IH	Ross, Donald H Ross, Kendrick Roy, Percy W Ruhl, Mark Russell, Fred W Russell, James L Ryan, Reginald G Ryan, Theodore W Sager, Merel Sanborn Irwin T	60 Warwick Ave. Rochester N. V	
8ARI 8ADC	Roy, Percy W	295 Maple St., Buffalo, N. Y.	100
8BM	Ruhl, Mark	160 Martin Ave., Columbus, Ohio	-9
8ANE	Russell, Fred W	909 Kensington Ave. SW., Grand Rapids, Mich	1
8AL	Russell, James L	20125 E. 79th St., Cleveland, Ohio	1
8CW 8RX	Ryan Theodore W	1453 14th Ave., Detroit, Mich	1-8
8ASW	Sager, Merel	44 Apple St., Tiffin, Ohio.	22
8AII	Sanborn, Irwin T	84 Chope Pl., Detroit, Mich	
8A00	Sauerbrey, William J	Shenandoah, Pa	1
SAOQ	Saunders, Ezra L	Milan, Ohio.	1
8NV 8AKZ	Sauerbrey, William J Saunders, Ezra L Sayles, Ralph H., jr Sayles, Thomas S	1420 14th Ave., Detroit, Mich.	SIN
SADS	Schamberger, Sanford O	24 6th Ave., Gloversville, N. Y.	
8HH	Schamberger, Sanford O Schaming, John P. Schardt, Carl M. Scheib, Joseph F.	3114 McClurg St., Pittsburgh, Pa.	1.5
8HG	Schardt, Carl M	12813 Marston Ave., Cleveland, Ohio	1
80K	Schlegel Raymond C	Milan, Ohio.  1420 14th Ave., Detroit, Mich  24 6th Ave., Gloversville, N. Y.  3114 McClurg St., Pittsburgh, Pa.  12813 Marston Ave., Cleveland, Ohio.  6243 Station St., Pittsburgh, Pa.  1118 N. Negley Ave., Pittsburgh, Pa.  1842 Centre Ave., Pittsburgh, Pa.  821 Main St., Columbus, Ohio.	1
$8\mathrm{HN}$ $8\mathrm{AFA}$	Schlesinger, Louis	1842 Centre Ave., Pittsburgh, Pa.	100
8AEE	Schmid, Paul J	821 Main St., Columbus, Ohio	P. San
8RW	Schlegel, Raymond G. Schlegel, Raymond G. Schlesinger, Louis. Schmid, Paul J. Schmidle, Claude.	821 Main St., Columbus, Ohio. Ebenezer, N. Y. 106 Excelsior St., Pittsburgh, Pa.	
8APD	Schmidt, Paul		1

#### EIGHTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Kw.
8AR	Schorn, Valentine A	338 Antietam St., Detroit, Mich	0
8KV	Schramm, Joseph H	927 N. Highland Ave., Pittsburgh, Pa	
8DC	Schulder, Arthur	6110 Utica Ave., Cleveland, Ohio	
8LL	Schwanecamp, Raymond	927 N. Highland Äve., Pittsburgh, Pa. 6110 Utica Äve., Cleveland, Ohio. 207 Lemon St., Buffalo, N. Y. 3517 Bevis Äve., Cincinnati, Ohio. North Fairfield, Ohio. 518 N. Jamison Äve., Lima, Ohio. 939 Court St., Port Huron, Mich. 220 Antrim St., Charlevoix, Mich. 1357 Tennessee Äve., Dormont, Pa. Crafton, Pa Falls Creek, Pa. Scott. Ohio.	
BBY BLE	Schwindt, Herman J Scott, Hoyt S Scoville, George I. C	3517 Bevis Ave., Cincinnati, Ohio	
SLE	Scott, Hoyt S	North Fairfield, Ohio	1
SDB	Scoville, George I. C	020 Court Ct Port Human Wish	
BAGR	Scupholm, Fred J	220 Antrim St. Charlevoir Mich	
8PN 8ANI	Seidel, Frank. Selden, James M., ir. Selvais, Francis W. Shafer, Andrew L. Shaw, Eurcile L. Shedd, Arthur R. Sheerin, Conway J. Sherrin, Frad.	1357 Tennessee Ave Dormont Pa	
SEE	Selden James M ir	Crafton Pa	1
SAPU	Servais, Francis W	Falls Creek, Pa	1
STE	Shafer, Andrew L	Scott, Ohio.	
SPQ.	Shaw, Eurcile L	2054 É. Anglaize St., Wapakoneta, Ohio	
SAEP	Shedd, Arthur R	302 Main St., Butler, Pa	0.00
8GX	Sheerin, Conway J	16 South St., Dansville, N. Y	
8MJ	Sherman, Fred	Benton Harbor, Mich.	
$_{\rm SJR}$	Sherrill, Alvan C	326 S. Highland Ave., Pittsburgh, Pa	
BAEW	Shields, Robert D	Sta. B., North High St., Columbus, Onio	
BDG	Silvert Dichard E	111 F Renter St. Warekerste Ohio	
8LG	Shields, Robert D Shiley, Charles Sibert, Richard E Siedle, William R Simoy, Paul C	Falls Creek, Pa. Scott, Ohio  205½ É. Anglaize St., Wapakoneta, Ohio  302 Main St., Butler, Pa. 16 South St., Dansville, N. Y. Benton Harbor, Mich.  326 S. Highland Ave., Pittsburgh, Pa. Sta. B., North High St., Columbus, Ohio  110 Washington St., Kalamazoo, Mich.  111 E. Benton St., Wapakoneta, Ohio.  5637 Rippey St., Pittsburgh, Pa. 403 N. 7th St., Cambridge, Ohio. 68 E. I'lth Ave., Columbus, Ohio.	
SVE	Simon Paul C	403 N 7th St Cambridge Objo	
TT	Simcox, Paul C	68 E. 17th Ave., Columbus, Ohio	
STT	Slegman, Walter R Slocum, Charles Slyfield, Charles O Smith, Grant A Smith, Harold H Smith, Newell R Smith, Paymond	205 Sagamore St., Pittsburgh, Pa. 170 Annadale Ave., Akron, Ohio	-
8WM	Slocum, Charles	170 Annadale Ave., Akron, Ohio	
RANT	Slyfield, Charles O	Frankfort, Mich.	
8QO 8AJR 8CP	Smith, Grant A	408 Jay St., St. Clair, Mich	
8AJR	Smith, Harold H	363 Potomac Ave., Buffalo, N. Y	1
8CP	Smith, Newell R	525 N. Main St., Wellington, Ohio	
8KL	Smith, Raymond	Tippecanoe City, Ohio	
8OE	Smith, Verne E	Knox, Pa	
8ALA	Snider, Ellwood H	20 Normandy Ave., Rochester, N. Y	
8KZ	Snyder, Lawrence L	7 Control Avo. Ithogo N. V.	
8FO 8ANN	Smith, Newell R Smith, Raymond. Smith, Verne E. Snider, Ellwood H Snyder, Lawrence L Snyder, Norman G Somers, Warren A Spargo, James A., jr. Spaulding, Claude W Spencer, J. Edmund Spiller, Archibald G Spindler, Raymond	170 Annadale Ave., Akron, Ohio. Frankfort, Mich 408 Jay St., St. Clair, Mich 363 Potomac Ave., Buffalo, N. Y. 525 N. Main St., Wellington, Ohio. Tippecanoe City, Ohio Knox, Pa 20 Normandy Ave., Rochester, N. Y. 260 S. Walnut St., Ravenna, Ohio. 7 Central Ave., Ithaca, N. Y. 151 E. Main St., Bradford, Pa. 403 N. George St., Rome, N. Y. 32 Robinson Ter., Plattsburg, N. Y. 592 Lake St., Ashtabula, Ohio. 211 Strathmore Ave., East Cleveland, Ohio. 83 Saranac St., Rochester, N. Y. Continental, Ohio.	
8FT	Spargo Tames A ir	403 N George St. Rome N V	
8AKX	Spaulding Claude W	32 Robinson Ter Plattsburg, N. Y	
8GW	Spencer, J. Edmund	592 Lake St., Ashtabula, Ohio	
8HK	Spiller, Archibald G	211 Strathmore Ave., East Cleveland, Ohio	
8QU	Spindler, Raymond	83 Saranac St., Rochester, N. Y	
8ARY	Spindler, Raymond Spitler, Stephen Spotts, Ralph T Staud, Cyril J Stauft, Jacob L	Continental, Ohio. 11721 Euclid Ave., Cleveland, Ohio	
8SH	Spotts, Ralph T	11721 Euclid Ave., Cleveland, Ohio	
8OZ	Staud, Cyril J	203 Rutger St., Rochester, N. Y	1
8LH 8AKD	Staurt, Jacob L	347 Oakland Ave., Pittsburgh, Pa	
8A KD		15 Pedford Ave. Monticelle N. V.	
8DY	Stecher, Harold I	D F D No 2 Wittenning Po	
8II 8IZ	Steinman, Dwight H	416 Pine St. Lima Ohio	
8WJ	Stelzer James G	Frankfort, Mich	
8BU	Stelzer, James G	203 Rutger St., Rochester, N. Y. 347 Oakland Ave., Pittsburgh, Pa. 587 Dewey Ave., Rochester, N. Y. 15 Bedford Ave., Monticello, N. Y. R. F. D. No. 2, Kittanning, Pa. 416 Pine St., Lima, Ohio. Frankfort, Mich. 15 Clark St., Lancaster, N. Y. 212 F. Infergers St. Ann Arbor, Mich.	
8BU 8ABI	Stellwagen, Arthur Stern, Fred W	15 Clark St., Laneaster, N. Y. 312 E. Jefferson St., Ann Arbor, Mich. 835 Glenwood Ave., Cincinnati, Ohio. 516 W. Cedar St., Kalamazoo, Mich. 1821 Humboldt Ave., Cincinnati, Ohio. 2235 Putnam St., Toledo, Ohio. 1530 Buena Vista St. NS., Pittsburgh, Pa. 724 W. Market St., Lima, Ohio.	
80L	Stern, Fred W	835 Glenwood Ave., Cincinnati, Ohio	
8IG	Sternfield, Charles B	516 W. Cedar St., Kalamazoo, Mich	
8VW 8ANH	Stevens, Allen C	1821 Humboldt Ave., Cincinnati, Ohio	
SANH	Stern, Fred W Sternfield, Charles B Stevens, Allen C Stewart, Donald G Stiveson, Andrew Stalembach, Bedest W, and	2235 Putnam St., Toledo, Ohlo	
8PR 8ASF	Stolzenbach, Robert W. and	794 W. Market St. Lime, Obio	
OADI	Charles H.	121 W. Harket St., Lilla, Ollo	
8ABK	Storck, Howard J. C.	694 Carpenter St., Columbus, Ohio	
SAAR.	Stouffer, Vernon B	1195 Webb Rd., Lakewood. Ohio.	
8AAR 8TO 8ADN	Storck, Howard J. C. Stouffer, Vernon B. Stotter, Herbert J.	1397 E. Blvd., Cleveland, Ohio	
8ADN	Stradling, Fred	Hamilton, N. Y	
8AKK	Straith, Floyd E	80 Pingree Ave., Detroit, Mich	
8ABW	Straw, R. Clyde	694 Carpenter St., Columbus, Ohio 1195 Webb Rd., Lakewood, Ohio 1397 E. Blvd., Cleveland, Ohio. Hamilton, N' Y 80 Pingree Ave., Detroit, Mich. Venango, Pa.	-
8QA	Stradling, Fred. Straith, Floyd E. Straw, R. Clyde. Struchen, Raymond S. Strunk, William O. Stybr, Gilbert.	Sterrettania, Pa 107 Lake St., Ithaca, N. Y. R. F. D. No. 3, Bellvue, Pa.	
8HW	Strunk, William O	107 Lake St., Ithaca, N. Y	-
8AD	Stybr, Gilbert	R. F. D. No. 3, Bellvue, Pa.	-
8AMO	Supernaw, Jack S	1412 Woodhourne Ave. Pittsburgh De	-
8ADR	Sutherland Arthur E	105 Ballayua Driva Rochester N. V.	
8RP	Swaisgood Paul B	1444 E. 118th St. Claveland Obje	
8DX 8BS	Swan Donald	R. F. D. No. 3, Belivide, Fa. 305 Dixon Ave., Charlevoix, Mich.   1412 Woodbourne Ave., Pittsburgh, Pa. 105 Bellevue Drive, Rochester, N. Y.   1444 E. 118th St., Cleveland, Ohio.   123 Canfield Ave., Detroit, Mich.   184 Bath St., Elyria, Ohio.   18 Alfred St., Binghamton, N. Y.	
8GP	Swanson, Oscar E	184 Bath St., Elvria, Ohio	

#### EIGHTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Pow
		•	Ku
8AIP	Tatman, Harley C. Taylor, Willard L. Temple, Lemuel M. Terbrack, John H.	Continental, Ohio. 148 Kennedy St., Syracuse, N. Y. 103 Mason St., Cincinnati, Ohio. 3169 W. 90th St., Cleveland, Ohio.	100
8AK	Taylor, Willard L	148 Kennedy St., Syracuse, N. Y	100
8DH	Temple, Lemuel M	103 Mason St., Cincinnati, Ohio	100
8GE 8ASM	Terbrack, John H	Scott Obje	
8HJ	Terry, Donald M. Terry, James E. The Electro-Set Co. Thomas, Earl R. Thomas, Frank P. Thomas, Norman A. Thomas of Charles P.	3169 W. 90th St., Cleveland, Ohio Scott, Ohio. 1877 E. 90th St., N.E., Cleveland, Ohio 3200 Franklin Ave., Cleveland, Ohio 712 Louisa St., Williamsport, Pa. 135 Brownsville Rd., Pittsburgh, Pa. 135 Brownsville Rd., Pittsburgh, Pa. 512 7th St., Marietta, Ohio. 185 Wall St., Port Huron, Mich. 258 Madison Ave., Youngstown, Ohio. W. Greenlawn Ave., Columbus, Ohio. 187 W. Chestnut St., Akron, Ohio. 62 State St., Susquehanna, Pa. 426 W. McKibben St., Lima, Ohio. 62 Berkeley St., Rochester, N. Y. 520 Crawford St., Grand Rapids, Mich. 9702 Allerton Ave., Cleveland, Ohio. 1214 W. Market St. Lima, Ohio.	193
SIQ	The Electro-Set Co	3200 Franklin Ave. Cleveland, Ohio	198
SIQ SKY	Thomas, Earl R.	712 Louisa St., Williamsport, Pa	-
BACI	Thomas, Frank P	135 Brownsville Rd., Pittsburgh, Pa	
8FX_	Thomas, Norman A	512 7th St., Marietta, Ohio	
BAMV	Thomas, Normal A Thompson, Charles R Thornton, Wallace W Thurn, Alois H	815 Wall St., Port Huron, Mich	
SAIZ SAML	Thornton, Wallace W	258 Madison Ave., Youngstown, Onlo	1
BAND	Thurn, Alois H	187 W. Chestrut St. Akron Obje	
BAAC	Tiffany Wade R.	62 State St. Susquehanna. Pa	153
SSZ	Thurnes, Darley. Tiffany, Wade R. Tobin, W. A. Todd, Conway L. Tomlinson, George E. Toreson, Alfred. Tory, Miles N.	426 W. McKibben St., Lima, Ohio	
BADE	Todd, Conway L	62 Berkeley St., Rochester, N. Y	100
8GK	Tomlinson, George E	520 Crawford St., Grand Rapids, Mich	
BARV	Toreson, Alfred	9702 Allerton Ave., Cleveland, Ohio	-
SRT SVG	Toy, Miles N	121 W. Market St., Lima, Onio	
SIP	Trotter Pobert I	214 Amanda Ava Mt Oliver Pa	
SARE	Tullis Don D	59 N 2d St. Newark Ohio	
BBZ	Toreson, Alfred Toy, Miles N. Trombley, Clarence E. Trotter, Robert J. Tullis, Don D. Turnbull, Alonzo E. Twitchell, H. Tyler, Albert P. Ulsh, Chester. Umbarger, Harold N. Van Buren, Harold J. Van De Carr. Richard D.	1167 Lagonda Ave., Springfield, Ohio	
BAPO	Twitchell, H	4th and Wood Sts., Hamilton, Ohio	100
BARU	Tyler, Albert P	299 Ardenall Ave., Cleveland, Ohio	
SFB	Ulsh, Chester	451 Summit St., Marion, Ohio	
SVJ	Umbarger, Harold N	239 W. 5th St., Mansheld, Ohlo	
SQT SAQK	Van De Carr Richard D	11 Amheret St. Rochester N. V.	
SSX		2210 N. Washington Ave. Scranton, Pa	1
SSE	Vickery, William J	40 Burr St., Gloversville, N. Y	1
BAKN	Von Behren, William P	2149 Scottwood St., Toledo, Ohio	100
8MK	Vonderhaar, Elliott	123 Valencia Ave., Cincinnati, Ohio	2
SABE	von Gunten, Leon	751 Brice Ave., Lima, Ohio	
SAOB	Wacns, William C	235 Hosea Ave., Cincinnati, Onio	1-15
BBV BOV	Vanderveken, Marix Vickery, William J. Von Behren, William P. Vonderhaar, Elliott. von Gunten, Leon. Wachs, William C. Wagner, Wayne. Wahl, Arthur F. and Wilburt C. Wabl, Edward C.	b2 Berkeley St., Kochester, N. T.  520 Crawford St., Grand Rapids, Mich.  9702 Allerton Ave., Cleveland, Ohio.  1214 W. Market St., Lima, Ohio.  145 Washington Ave., Mt. Clemens, Mich.  14 Amanda Ave., Mt. Oliver, Pa.  59 N. 2d St., Newark, Ohio.  1161 Lagonda Ave., Springfield, Ohio.  4th and Wood Sts., Hamilton, Ohio.  299 Ardenall Ave., Cleveland, Ohio.  451 Summit St., Marion, Ohio.  239 W. 5th St., Mansfield, Ohio.  114 N. Crawford Ave., New Castle, Pa.  11 Amherst St., Rochester, N. Y.  2210 N. Washington Ave., Seranton, Pa.  40 Burr St., Gloversville, N. Y.  2149 Scottwood St., Toledo, Ohio.  123 Valencia Ave., Cincinnati, Ohio.  235 Hosea Ave., Cincinnati, Ohio.  18 East St., Ashtabula, Ohio.  1910 Stawart Ave., Ruffelo, N. Y.	
8GI		60 Stewart Ave., Buffalo, N. Y.	
SOB	Waldrip, Laurence H	352 Breckenridge St., Buffalo, N. Y	
8FD	Waldrip, Laurence H Walker, Carl	1626 Potter Pl., Cincinnati, Ohio	
BTV BACU	Walker, Call Wallace, L. Gordon Waller, Nellie M Waller, Roy W	25 Grover St., Auburn, N. Y.	
BACU	Waller, Nellie M	615 N. 4th St., Cambridge, Ohio	
BCL BAHS	Waller, Roy W	De Kalb Junction N V	
SAFR	Walser Arthur I.	Chesaning Mich	
BAGV	Waltz Roy A	1 Ellicott St., Depew, N. Y.	-
BAGV BAAY	Wannenmacher, Harvey	18 Brookfield Pl., Lancaster, N. Y	
BNA	Waterman, Fred W	116 Broad St., Elyria, Ohio.	1
8MU	Watson, Martin L	116 Alice St., Keyser, W. Va	
SEJ	Watson, Samuel C	Richmond Mich	114
BGH BPW	Weaver Frank M	60 Stewart Ave., Buffalo, N. Y. 352 Breckenridge St., Buffalo, N. Y. 1626 Potter Pl., Cincinnati, Ohio. 25 Grover St., Auburn, N. Y. 615 N. 4th St., Cambridge, Ohio. 837 N. 12th St., Cambridge, Ohio. DeKalb Junction, N. Y. Chesaning, Mich. 1 Ellicott St., Depew, N. Y. 18 Brookfield Pl., Lancaster, N. Y. 116 Broad St., Elyria, Ohio. 116 Alice St., Keyser, W. Va. Wilberforce, Ohio. Richmond, Mich. 2706 Toledo St., Pittsburgh, Pa. 1002 Bellaire Ave., Pittsburgh, Pa. 1002 Bellaire Ave., Pittsburgh, Pa. 208 N. Main St., Greensburg, Pa. 660 Riley St., Buffalo, N. Y. 791 Seneca St., Buffalo, N. Y. 2118 W. Tuscarawas St., Canton, Ohio. 1720 6th St., Bay City, Mich. 115 Weeks St., Jamestown, N. Y.	
SVT	Weaver, Henry C	1002 Bellaire Ave., Pittsburgh, Pa.	
SEY	Weaver, J. Marshall	208 N. Main St., Greensburg, Pa	
BJJ	Weber, Walter B	660 Riley St., Buffalo, N. Y	15
8TM	Weber, Walter B	791 Seneca St., Buffalo, N. Y	1
BAQW	Weckel, Wilson E	1790 6th St. Ray City, Mich.	
BADV BEQ	Weekman Frank I. and	115 Weeks St. Jamestown N V	100
	Waller, Roy W. Walrath, Floyd E. Walser, Arthur L. Waltz, Roy A. Wannenmacher, Harvey. Waterman, Fred W. Watson, Martin L. Watson, Samuel C. Weaver, Floyd H. Weaver, Frank M. Weaver, Henry C. Weaver, J. Marshall. Weber, Walter B. Weber, Walter B. Weekel, Wilson E. Wedthoff, Guy G. Weekman, Frank L. and Verne W. Weeks, Stuart R. Weeks, Stuart R.	Pichmond Mich	
SRE SHF	Weemhoff, S. J.	Richmond, Mich	
8ARR	Weigold, Fred L	1630 Queen City Ave., Cincinnati, Ohio.	1
8RC	Weil, Norman C	231 Riley St., Buffalo, N. Y	1
8NX 8WK	Weemholl, S. J. Weiglold, Fred L. Weil, Norman C. Weiser, Elmer P. Weiser, Perry W. Weiss, Frank J. Welch, Thomas E. Weller, Alvin. Wellington Vernon D.	1630 Queen City Ave., Cincinnati, Ohio 231 Riley St., Buffalo, N. Y 284 Brinkman St., Buffalo, N. Y 344 Derr Ave., Wooster, Ohio	
8WK	Weiser, Perry W	344 Derr Ave., Wooster, Ohio	1
8AEJ	Welsk, Frank J	Amnerst, Unio	1.80
$^{8\mathrm{TF}}_{8\mathrm{HV}}$	Weller Alvin	1440 Warren Rd. Lakewood Ohio	30
8FN	Wellington Vernon D	511 Gibbs Ave., Wapakoneta, Ohio	
8APS	Wellington, Vernon D. Welty, Noble K. Wendeln, Bernard O. Werner, Herman E. Westcott, Alva F.	344 Derr Ave., Wooster, Ohio Amherst, Ohio 92 N. Main St., Mechanicsville, N. Y 1440 Warren Rd., Lakewood, Ohio 511 Gibbs Ave., Wapakoneta, Ohio. 302 W. College St., Cannonsburg, Pa 133 N. Wayne St., St. Marys, Ohio 41 Fay St., Akron, Ohio.	
8MT	Wandaln Barnard O	133 N. Wayne St. St. Marys, Ohio	
8ADF	Wendern, Dernard O	100 111 11 00 110 2011 2011 1101 1101	

# EIGHTH DISTRICT—Continued.

#### ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
8AEZ	West, M. B	511 W. Eureka St., Lima, Ohio	1. (
8JM	Westfall, Earl J	292 Ontario St., Buffalo, N. Y	
8ALW	Weyer, Élliott R Wheat, Henry A., jr	Washington, Pa. 584 S. Main St., Geneva, N. Y.	. !
8VM	Wheat, Henry A., Jr	584 S. Main St., Geneva, N. Y	
8LK 8PP	Wieneke, Edward	128 Peterboro St., Detroit, Mich.	
8ARP	Wight Lloyd W	742 Gott St., Ann Arbor, Mich	
8TC	Wight, Lloyd W. Wightman, E. Russell	127 Courtland, Wellington, Ohio. Flint Central High School, Flint, Mich.	1.6
8ACS	Wiley, Donald A	3029 Harvey Ave., Cincinnati, Ohio	1. (
8UH	Wiley, Violet A	159 Northampton St., Buffalo, N. Y	.!
8EM	Wilkinson, Howard E	239 Blaine Ave., Buffalo, N. Y.	
8VK	Willard, Charles A	2025 W. 95th St., Cleveland, Ohio	
8IL	Williams, Burton P	2321 Perrysville Ave., Pittsburgh, Pa.	
8EH	Williams, Claude	820 Brooks St., Ann Arbor, Mich	1. (
8AIN	Williams, John C	60 Hollister St., Cincinnati, Ohio.	
8JT	Williams, Raymond K	1342 Westlake Ave., Lakewood, Ohio	. 5
8KT	Williamson, Warren, jr	1342 Westlake Ave., Lakewood, Ohio	
8GC	Wilson, Albert S	Apollo, Pa. 838 Ohio Ave., Youngstown, Ohio	1. (
8AHD	Wilson, Arthur Y	838 Ohio Ave., Youngstown, Ohio	
8ARZ	Wilson, Harold H	Silver Creek, N. I	
8AFE	Windham, Elwood A	917 Lincoln Ave., Port Huron, Mich.	. 5
8JD	Wing, Willis K	Scott High School, Toledo, Ohio	1.0
8UF	Wing, Willis K	938 Grand Ave., Toledo, Ohio	
8ADL	Winne, Robert F	19 Holley St., Brockport, N. Y.	1.0
8AGD 8ARD	Wirsching, Harold A Wollmuth, Edward	227 Ried Ave Buffele N V	. 5
8SA	Wood, Dewey H	634 Grace St Kalamazoo Mich	. 5
8AFG	Wood, Donald	24 Cannon St., Dayton, Ohio. 827 Bird Ave., Buffalo, N. Y. 634 Grace St., Kalamazoo, Mich. 310 Augustine St., Rochester, N. Y.	. 5
8AOL	Wood, Walter S	1 622 Ardinore St., Akron, Unio	. F
8AKO	Wood, Walter S. Woodbury, George F. Woodcock, William D.	137 E. William St., Bath, N. Y. 496 W. Ferry St., Buffalo, N. Y. 15 Lakin Ave., Jamestown, N. Y.	.5
88K	Woodcock, William D.	496 W. Ferry St., Buffalo, N. Y.	1. (
8AMM	Woodin, Lloyd	15 Lakin Ave., Jamestown, N. Y	
8AGO	Woodmanse, Harold W	214 MOITIS Ave., Bullato, N. 1	. 5
8AAI	Woodruff, C. Herschel	48 Woodruff Ave Columbus Ohio	. 5
8ADB	Woods, James B	400 Wills Rd., Connellsville, Pa.	1.0
8SU	Woodworth, Samuel	R. F. D. No. 3, Syracuse, N. Y	1.0
90A	Worbass, Raymond K	7410 Carnegie Ave., Cleveland, Ohio	. 5
8AON	Worden, Ralph P	665 Lafayette Rd., Medina, Ohio	. 5
8ANG 8NP	Wright, Harold D., jr	1116 W. Market St., Lima, Ohio.	. 5
8AI	Wright, J. Warren	1119 Fountain Ave., Springfield, Ohio.	. 5
8SS	Wirta Francis I	7216 McCurdy Pl., Ben Avon, Pa. Boston, N. Y.	. 5
8TR	Wurtz, Francis L Yaeger, Henry	Boston, N. Y.	.5
8WN	Varigan George S	1036 N. Clinton Ave., Rochester, N. Y. 632 E. Ludlow St., Hamilton, Ohio.	.5
8ASU	Yerigan, George S Yotter, Francis P	Freeport, Pa.	.5
8ARB	Young, Arthur C	1311 Abbott Rd., Buffalo, N. Y	. 5
8ALK	Young Joel	717 W. Gray St., Elmira, N. Y	.5
8WU	Young, L. Clifford	717 W. Gray St., Elmira, N. Y 722 N. Washington St., Van Wert, Ohio.	1.0
8JQ	Young Men's Christian As-	110 Fourth Ave., Ann Arbor, Mich	1.0
COD	sociation.		
8GB	Young Men's Christian Association.	Zara and Virginia Sts., Pittsburgh, Pa	. 5
8AFI	Young Men's Christian As-	Elyria, Ohio	1.0
8VV	sociation Radio Club. Zeigler, Harry W	7th and Ross Sts., Tarentum, Pa	1.0
8IT	Zelenka, Stanley	3546 Caryle Ave., Cleveland, Ohio.	. 5
8CH	Zikovsky, Theodore	44 Kingsville Ave., Ashtabula, Ohio	1.0
8NI	Zimmerman, Frederick C., jr.	15 Taft Ave., Detroit, Mich	. 5
8VN	Zornow, Harry	661 E. 120th St., Cleveland, Ohio	1.0

#### ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8AA 8AAB 8AAC 8AAD 8AAE 8AAF	Hausding, William A. Anderson, L. R. Tiffany, Wade R. Moore, John H. Helbling, William E. Robinson, David L.	8AAG 8AAH 8AAI 8AAJ 8AAK 8AAL	Dominick, John H. Ditto, Earl J. Woodruff, Charles H. Brice, William E. Pardridge, Clarence R. Moyer, Gilbert G.	8AAM 8AAN 8AAO 8AAP 8AAQ	Murdoch, William B., jr. Lohrey, Clarence R. Bishman, Richard F. Brown, Stanley E. Devinney, Robert C.

# EIGHTH DISTRICT—Continued.

# ALPHABETICALLY BY CALL SIGNALS-Continued.

	1	lt.	1	11	<del></del>
Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8AAR	Stouffer, Vernon.	8AEE	Schmid, Paul J.	8AIA	Cady, Fred L.
8AAS	Stouffer, Vernon. Bower, George C.	8AEF	Perry, Ransom, ir.	8AIC	Faldstein Milton
8AAT	Kinman, Carson S. Brownell, Ralph.	8AEG	Cawley, Eugene H.	8AID	Butine, Arthur B.
8AAU	Brownell, Ralph.	8AEH	Schmid, Paul J. Perry, Ransom, jr. Cawley, Eugene H. Balson, Donald W.	SAIE	Butine, Arthur B. Muryne, Leo F. J. Bell, Irving.
8AAV	Frank, Newton J. Bear, Walter D. Miller, Carl E., jr.	8AEI	Erskine, James Weiss, Frank J	8AIF	Bell, Irving.
8AAW	Millor Conl F in	8AEJ 8AEK	Weiss, Frank J	8AIG	Parry, Kenneth E. Hoehl, Raymond H.
8AAX 8AAY	Wannenmacher, Har-	8AEL	Kiger, Earnest W.	8AIH 8AII	Sanborn Irwin T
011111	vey F.	8AEM	Reynolds, Marion B. Galloway, W. Lyon. Manning, Stuart.	8AIJ	Sanborn, Irwin T. Huey, Wesley Conrad, Mark
8AAZ	Kauffman, Jacob W.	8AEN	Manning, Stuart.	8AIL	Conrad. Mark
8AB	Barr, Forrest L	8AEO 8AEP	Doeright, Gilbert A.	8AIM	Brothers, Loyd C.
8ABA	Burgwardt, Freder-	8AEP	I Shedd, Arthur	8AIN	Brothers, Loyd C. Williams, John C. Tatman, Harley C.
0 4 D D	Burgwardt, Freder- ick C., jr. Myers, Walter L.	8AEQ 8AER	Albertson, William C. Mattice, William A.	8AIP	Tatman, Harley C.
8ABD 8ABE	Von Gunten, Leon.	8AES	Mattice, William A.	8AIQ	Karl, Rudolph.
8ABG		SAET	Mittendorf, Earl D.	8AIŘ 8AIS	Munro, Glenn A. Burdick, George M. C.
8ABI	Stellwagen, Arthur. Storck, Howard J. C. Grosse, Herbert F. Jones, Hugo W. Mann, Orville L. Howe, Richard H. Coville Parkins	. SAEU	Cole, Kenneth. Rippl, Lewis M.	SAIT	Carpenter, Sears.
8ABK	Storck, Howard J. C.	8AEV		8AÎÛ	Kavs, George W., ir.
8ABM	Grosse, Herbert F.	8AEW	Shields, Robert D.	8AIV	Kaestle, Albert. Carroll, Stanley W.
8ABN	Jones, Hugo W.	8AEX 8AEY	Calkins, Norman.	8AIY	Carroll, Stanley W.
8ABO	Mann, Orville L.	SAEY	Davis, Harold P.	8AIZ	Thornton, Wallace.
8ABR 8AB <b>S</b>	Cowille Perkins	8AEZ 8AF	West, M. B.	8AJ	Thornton, Wallace. Custis, Walter E. Parmington, Walter
8ABT	Dotterweich, Ed.	8AFA	Schlesinger Louis	8AJA	O.
O.L.D.I.	ward, jr. Hopkins, Cecil W.	8AFD	Shields, Robert D. Calkins, Norman. Davis, Harold P. West, M. B. Frey, Frederick E. Schlesinger, Louis. Finley, Chester T.	8AJG	Braatz, Eugene C
8ABU	Hopkins, Cecil W.	8AFE		8AJI	Braatz, Eugene C. Baker, Gerald M.
8ABW	Dulaw, It. Ciyub.	8AFG	Wood, Donald. Y. M. C. A.	8AJM	Calvert, Allen.
8AC	Richmond, Norman	8AFI	Y. M. C. A.	8AJN	Calvert, Allen. Knott, Charles E.
0101	E.	8AFK	Robertson, Adelbert	8AJO	Amann, J. C. Smith, Harold H.
8ACA	Hisey, Norval W.	8AFM	R. Wilhams Wolten A	8AJR	Brith, Harold H.
8ACD 8ACE	Palmer, Roy.	8AFN	Kilbury, Walter A. Moore, Harold S.	8AJS 8AJT	Raichle, Joe L. Clement, Russell C.
8ACI	Thomas, Frank P.	8AFO	MacKnight, J. Don-	8AJU	Bell, Charles H.
8ACK	Norquist, Reynold O. Thomas, Frank P. Blair, Russell M.		l ald.	l SAK	Taylor, Willard L.
8ACM	Jacobus, Roger. Kelso, Herbert F.	8AFR	Walser, Arthur L.	8AKA	Kepler, Ralph E.
8ACN	Kelso, Herbert F.	8AFS	Kovatch, Alex.	8AKB	Bell, Charles H. Taylor, Willard L. Kepler, Ralph E. Pickens, W. H.
8ACO 8ACR	Dietsch, Carl G. F. Atkinson, Ward.	8AFT 8AFU	Leighton, Paul A. Beaman, Paul S.	8AKC	Bain, Ovid.
8ACS	Wiley, Donald A.	8AFW	Seiple, Robert H.	8AKD 8AKE	Staunton, R. E. Daly, James J.
8ACT	Baumgardner, Don-	8AG	Broome, Donald W.	8AKF	Hepner, Earl.
	l ald G.	8AGA	Katzenberger, Ray-	8AKG	Bower, Orville D.
8ACU	Waller, Nellie M.		_ mond.	8AKH 8AKJ	Hepner, Earl. Bower, Orville D. Hartwich, Harry. Merrick, W. Bernard. Straith, Floyd E.
8ACW	Johnstone, Richard S. Stybr, Gilbert. Rann, Maurice B.	8AGB	Jacks, Albert L. Donahue, James B.		Merrick, W. Bernard.
8ADA	Pann Maurice B	8AGC 8AGD	Wireching Herold A	8AKK	Von Behren Wm D
8ADB	Woods James B	8AGE	Hanville, Roy A.	8AKN 8AKO	Von Behren, Wm. P. Woodbury, Geo. F. Kaehni, Frank J. Meredith, C. Palmer.
8ADC	Woods, James B. Roy, Percy W. Fassett, G. M. Earle. Todd, Conway L. Werner, Herman F.	8AGF	Howard, Carl G.	8AKQ 8AKS	Kaehni, Frank J.
8ADD	Fassett, G. M. Earle.	8AGG	Anton, William G.	8AKS	Meredith, C. Palmer.
8ADE	Todd, Conway L	8AGH	Burns, Herman E.	8AKV	G8128, KODET J.
8ADF 8ADG		8AGI 8AGJ	Wirsching, Harold A. Hanville, Roy A. Howard, Carl G. Anton, William G. Burns, Herman E. Rembold, Walter O. Ricksecker, Russell E. Morris Carleton D.	8AKW 8AKX 8AKY	Giesenberg, Carl. Spaulding, Claude W. Dyke, S. Eugene.
8ADH	Chandler, Merle C. Lee, Harry H.	8AGK	Morris, Carleton D.	SAKX	Dyka S Fugana
8ADI	Cundall, Lincoln A	8AGL		8AKZ	Savles, Thomas S.
8ADJ	Cundall, Lincoln A. Kohli, Homer J. Ford, Elliot.	8AGM	Bishop, Robert C. Burtis, Melvin M.	8AL	Sayles, Thomas S. Russell, James. Snider, Ellwood H. Lacock, Walter B.
8ADK	Ford, Elliot.	8AGN	Lindsay, A. M., jr. Woodmansee, Harold	8ALA	Snider, Ellwood H.
8ADL	Winne, Robert F. Darrall, William G.	8A GO	Woodmansee, Harold	8ALD	Lacock, Walter B.
8ADM	Darrall, William G.	8AGP	W. Popky Charles I	8ALE	Miexander, Lot and
8ADN 8ADO	Stradling, Fred. Kahn, Fred J.	8AGQ	Popky, Charles J.	8ALI	Hodge. Dauberman, John R.
8ADP	Brown, Clarence W	SAGR	Learmont, Victor. Scupholm, Fred J. Hart, Ian B. Hand, Ledyard M. Jepson, Mark B. Wolfe, Boyn A.	8ALK	Vouna Iool
8ADQ 8ADR	Brown, Clarence W. Olson, Elvin E.	8AGS	Hart, Ian B.	8ALM	Hunter, Noble A. Addis, Roy R. Bovee, Charles W. Reed, Arthur J.
8ADR	Sullebarger, John.	8AGT	Hand, Ledyard M.	8ALN	Addis, Roy R.
8ADS	Schamberger, Sanford	8AGU	Jepson, Mark B.	8ALO	Bovee, Charles W.
6 V DAL	O. Greenwold Huge	8AGV	Waltz, Roy A. Carlson, Wendell L. Paasch, Harold Durham, Harold M.	8ALS	Reed, Arthur J.
8ADT 8ADU	Greenwald, Hugo.	8AGW 8AGX 8AGY	Passch Harold	8ALU 8ALW	Burkhardt, Geo. E. Weyer, Eiliott R. Hartle, Wilbert G.
8ADV	Hoffman, Donald A. Wedthoff, Guy G. Barris, Allen.	8AGY	Durham, Harold M	8AM	Hartle, Wilhert G
8ADW	Barris, Allen.	8AGZ	Donaman, reduct of C.	8AMA	Champa Willard ()
8ADX 8ADY	Preston, Kenneth (+ )	8AHA	Matthes, Frank P.	8AMB	Koch, Frank.
8ADY	Atkinson, Earl W. Euler, John F. Berndt, Wm. F.	8AHD	Wilson, Arthur Y Bruning, Miles F. Hawks, Harry L.	8AMD 8AMF	Craig, Palmer.
8ADZ	Euler, John F.	8AHE	Bruning, Miles F.	8AMF	swingle, Forrest W.
8AE 8AEA	Cushman Robert A	8AHN 8AHO	Reidenbach Lactor	8AMG	Koch, Frank. Craig, Palmer. Swingle, Forrest W. Altdoerfier, Frank H. Wilson, James A.
8AEB	Kepler, Newton	over	Reidenbach, Lester	8AMH 8AMI	Hanny, George
8AEC	Cushman, Robert A. Kepler, Newton. Gerhard, David.	8AHS	Walrath, F. E.	8AMJ	Allan, Donald.
8AED	McCutcheon, Wil-	8AHW	Walrath, F. E. Kremer, Harold E. Wright, Wm. A.	8AMK	Wilson, James A. Hanny, George. Allan, Donald. Perry, Paul A.
1	liam.	8AI	Wright, Wm. A.	8AMO	Supernaw, Jack S.
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#### EIGHTH DISTRICT—Continued.

# ALPHABETICALLY BY CALL SIGNALS—Continued. .

		<del></del>	1		i and the second
Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8AMP	Hodgkins, Harley G.	8AQE	Kerstetter, J. How-	8BC	Davis, Charles C.
8AMQ	Anson, Charles T.		ard.	8BD	Kimberly, Frank.
8AMR	Ewell, Lionel C.	8AQG	Richardson, Norton.	8BE	Lippert, John P. Jarvis, Roy B.
8AMV 8AMW	Thompson, Charles R.	8AQI	Bookwalter, John F.	8BF 8BI	Jarvis, Roy B.
8AMY	Kingshury, Ralph N.	8AQK	Van De Carr, Rich- ard D.	8BK	Lanne, E. Robert.
8AMZ	Hovey, Carlton F.	8AQM	Redington, Edmond	8BL	Kroeger, Gustav H. Lappe, E. Robert. O'Bryan, James W.
8ANB	Kreuzer, Joseph D. Kingsbury, Ralph N. Hovey, Carlton F. Bower, Stanley. Israel, Dorman.	l	1 B.	8BM	I KUDI. MATK.
8ANC 8AND	Israel, Dorman.	8AQN 8AQO 8AQR 8AQS 8AQT	Burdg, Clarence E.	8BN 8BO	Mason, George W. Lyons, Henry E. Macer, Arthur J.
8ANE	Thurnes, Darley. Russell, Fred W. Frase, Ralph L.	SAOR	Hofstetter, George E. Famariss, Walter.	8BP	Macer. Arthur J.
8ANF	Frase, Ralph L.	8AQS	Knapp, Forest H.	8BQ	Menges, William E.
8ANG	Wright, Harry D., jr.	8AQT	Durderry, Mamon R.	8BR	Menges, William E. Miner, Simeon J. Swan, Donald.
8ANH 8ANI	Wright, Harry D., jr. Stewart, Donald G. Seidel, Frank.	8AQU 8AQW 8AR	Leach, Frederick E.	8BS 8BT	Ackerman, Edmund
8ANJ	Burgoon, Wesley. Ernest, Robert A.	8AR	Weckel, Wilson E. Schorn, Valentine A.	<b>3D1</b>	K.
8ANK	Ernest, Robert A.	8ARA	Peters, Edward.	8BU	Stellrecht, Howard. Wagner, Wayne.
8ANL 8ANM	Leppert, John L.	SARB	I foung, Armur C.	8BV	Wagner, Wayne.
8ANN	Somers. Warren A.	8ARC 8ARD	Newman, Ansley. Wollmuth, Edward.	8BW 8BX	Robinson, David K. Davis, Herbert E.
8ANO	Baisley, J. Everett.	SARE	Tullis, Don D.	8BY	Schwindt, Herman J
8ANP	Leppert, John L. Griggs, Kenneth C. Somers, Warren A. Baisley, J. Everett. Exline, George A. Lewis, Nelson. Benson, Walfred	8ARF	Baillie, Howard L. Cross, Irving.	8BZ	Turnbull, Alonzo E.
8ANQ 8ANR	Benson Walfred	8ARG 8ARH	McBride George	8CA	Fidler, Sherwood W
8ANS	Benson, Walfred. Foltz, Harold H. Slyfield, Charles O.	8ARI	McBride, George. Ross, Kendrick. Ingalls, Allan C. Corey, Dwight.	8CA 8CC 8CD	Fidler, Sherwood K. Barnett, Walter J.
8ANT	Slyfield, Charles O.	8ARJ	Ingalls, Allan C.	8CD	l Benz, Carroll,
8ANU	Jensen, Luther J.	8ARK	Corey, Dwight.	8CE	Reeves, Arthur A., jr.
8ANV 8ANW	Jensen, Luther J. Glause, Edwin H. Brown, Le Roy. Phillips, William M.	8ARL 8ARM	Johnson, Gordon. Herrick, Robert E. Houck, Hugh H.	8CF	Reeves, Arthur A., jr. Beller, Harold F. Grieb, Edward. Zikovsky, Theodore.
8ANX	Phillips, William M.	8ARN	Houck, Hugh H.	8CG 8CH	Zikovsky, Theodore.
8A.N Y	Carpenter, Donald F. Murray, Charles. Deighan, Edward I. Dieter, Howard L.	8ARO	Bunning, Theodore. Wight, Lloyd W.	8CI	Danforth, Gordon F.
8ANZ 8AO	Murray, Charles.	8ARP 8ARQ	Wight, Lloyd W.	8CJ 8CK	Grinnell Russell R
8ÃOA	Dieter, Howard L.	SARR	Gurney, Daniel. Weigold, Fred L.	8CL	Waller, Roy W.
8AOB	Wachs, William C. Kent, Arthur L.	8ARS	Flora Russal	8CM	Plantinga, John G. Grinnell, Russell R. Waller, Roy W. Bieber, Carl W.
8AOC	Kent, Arthur L.	8ART	Coughenour, Virgil J. Tyler, Albert P.	8CN	
8AOD 8AOE	Ragsdale, Charles C.C. Hull, James E.	8ARU 8ARV	Toreson, Alfred	8CO 8CP	Harmon, H. W. Smith, Newell R. Brede, Erwin F.
8AOF	Morrow, Lorentz A.	8ARW	Toreson, Alfred. Belinson, Meyer. Ackley, William J. Spitler, Stephen.	8CP 8CQ	Brede, Erwin F.
8AOG	Creps, John A.	8ARX	Ackley, William J.	8CR	Johnson, J. H. E. Pardridge, Walter T.
8AOH 8AOI	Clauve, Carl E. Curtiss, Gerald H.	8ARY 8ARZ	Wilson, Harold H.	8CS 8CT	Bush, Claude M.
8ÃOJ	Durstine, John E.	8AS	Muhlbeyer, Chas. W.	1 SCII	Forshee, Kenneth.
8AOK	Durstine, John E. Brewster, Fred J. Wood, Walter S. Hamel, Arthur.	8ASA	Muhlbeyer, Chas. W. Lininger, Clarence R.	8CV	Kress, Lester P.
8AOL 8AO <b>M</b>	Wood, Walter S.	8ASB 8ASC	Millspaugh, Fredk. Kidd, J. William.	8CW 8CX	Ryan, Reginald G. Phippeny, Forrest I.
8AON	Worden, Ralph P.	8A8D	Dunmore, Wallace P.	8CY	Payne, Arthur F.
8A00	Worden, Ralph P. Sauerbrey, Wm. J. Bowyer, Glenn B.	8ASF	Stolzenbach, Robert	8CZ	McDaniel, Donald G.
8AOP	Bowyer, Glenn B.	0.190	and Charles.	070.4	Hoston Poul F
8AOQ 8AOR	Saunders, Ezra L.	8ASG	Howsare, Geo. D., and Flory, Carl L.	8DA 8DB	Horton, Paul E. Scoville, George I.
8AOS	Adams, Joy C. Eiszler, Emmerson L.	8ASH	Finegan, George W. Roe, Millard J.	8DC	Schulder, Arthur.
8AOT	Demarest, Foster J. McKee, Robert R.	8ASI	Roe, Millard J.	8DD	Schulder, Arthur. Fleckner, Harry K.
8AOU 8AOV	Cramer, Charles F.	8ASJ 8ASK	Conner, Charles E. Evans, Jack.	8DF 8DG	Orrell, Robert W. Shiley, Charles.
8AOW	Clem, Robert.	8ASL	Proutey, Laurence.	8DH	Temple, Lemuel M.
8AOX 8AOY	Cooley, Clair R.	8ASM	Proutey, Laurence. Terry, Donald M. Fisk, Rufus. Carr, Irving E.	8DI	Temple, Lemuel M. Gurnee, Floyd L.
8AOY 8AOZ	Hughes, Edwin R. Ferris, James H.	8ASN 8ASO	Corr Irving E	8DJ 8DK	Phillips, Glenn. Kobre, Frank.
8AP	Reich, Herbert.	8ASP	Gamble, Howard B.	8DL	OSUBTOTOCK, Lawara
8APA	Reich, Herbert. Beer, Frank P.	8ASP 8ASQ	Greenwell, Robert.	1	and Harry. Esch, Winthrop W.
8APD 8APE	Schmidt, Paul. Lockwood, Harry P.	8ASR	Paul, George.	8DM 8DN	Esch, Winthrop W.
8APG	Henes, Christian.	8ASS 8AST	Olney, Clarke. Hills, Harold C.	8D0	Knappen, Bert. Bell, Norman W.
8API	Childe Hafbart B	8ASU	Yotter, Francis P.	8DP	Fritsche, Lewis W. Holmes, Chas. E. Godley, Gordon F. Rogers, Grant. Cobb Burnet
8APK	Bachtel, Alfred. Auten, George C. Bock, Ashley P. Twitchell, H.	8ASV	Davidson, Robert L.	8DR	Holmes, Chas. E.
8APM 8APN	Auten, George C.	8ASW 8AT	Sager, Merel. Barton, Howard.	8DS 8DT	Rogers, Grant.
8APO	Twitchell, H.	8AU	Frost, Harry E.	8DV	CODD, Ruper.
8APR	nui, bailluei w.	SAV	Frost, Harry E. Fullwood, William R.	8DW	I Anger Charles U.
8APS 8APT	Welty, Noble K.	8AW	Goger, Auerbert J.	8DX 8DY	Swaisgood, Paul B. Stecher, Harold I. Aker, Ellison E.
8A PTT	Newton, Harold D. Servais, Francis W.	8AX 8AY	Gentzsch, Leonard H. Irvin, Daniel L.	8DZ	Aker, Ellison E.
8APW	Reichle, Henry W. Ela, Willard C.	8AZ	Hansen, Edmund H.		1
8AQ 8AQA	Ela, Willard C.	0D 4	Willow Workset	8EA 8EB 8ED	Mack, Clifford J. Munsell, Robert S.
8AQD	King, William R. Dilworth, John G.	8BA 8BB	Hiller, Herbert. Howes, Stanley L.	8EB	Carver, Alfred J.
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#### · EIGHTH DISTRICT-Continued.

# ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8EE	Selden, James M., ir.	8HA	Birkel, Lawrence J.	8JY	Chamberlain, Oscar
8EE 8EF	Selden, James M., jr. Dorst, Edward L.	8HB	Phillips, Maynard W.	ł	A.
8EG	Gebhard, Louis A. Williams, Claude.	8HC	Johnston, S. Paul.	8JZ	Manning, A. J.
8EH	Williams, Claude.	8HD	Myers, Homer.	077.4	1 A-1
8EI 8EJ	Gray, Clarence N.	8HE 8HF	Grotticelli, Emil. Weemhoff, S. J.	8KA 8KB	Ankerman, Roy E.
8EK	Watson, Samuel C. Kumpf, Elmer H.	8HG	Schardt, Carl M.	8KC	Core, Eugene D. Gammon, Joseph.
8EL	Langenbach, Leo.	8HH	Schaming, John P.	8KD	i isaniamin. Cariisia
8EM	Wilkinson, Howard	8HI	McCracken, Harold J.	8KF 8KG	Beck, Frank G.
	E	8HJ	Mc('racken, Harold J. Terry, James E., II. Spiller, Archibeld, G.	8KG	Beck, Frank G. Leffler, Ralph H. Angel, Jay L.
8EN 8EO	Myers, G. E. Kinney, Russell.	8HK 8HL	Spiller, Archibald G. Blake, F. D.	8KII	Angel, Jay L.
8EP	Hornbeck, John.	8HM	Human, Edward J. L.	8KK	Devaney, Richard G.
8EQ	Weekman, Frank L.	8HN	Schlegel, Raymond G.	8KI 8KK 8KL	Brockway, Earl H. Devaney, Richard G. Smith, Raymond. Guest, Wesley T.
-	and Vern W.	8HO	Holt, George W. Moershielder, Herbert	I SKM	Guest, Wesley T.
8ER	Elias, Louis W. Aber, Ernest M., jr.	8HP	Moershielder, Herbert	8KN	Odenkirk, Russell.
8ES 8ET	Dieterich, Adele F.	8HQ	L. Pour Nool I	8KN 8KO 8KP	Odenkirk, Russell. Combs, Frayne. Fuss, Chester.
8EU	Kinne, Laurance W.	8HR	Poux, Noel J. Foster, Clarence M.	8KQ	Fisher Earl U
8EV	Mason Carl D	8118	Berry, L. Mack	8KR	Hills, Virgil A. and
8EW	Current, Warren J.	8HT	Berry, L. Mack Petz, Joseph.		Fisher, Earl U. Hills, Virgil A. and Harold G.
8E X 8E Y	Current, Warren J. Henlein, Carl A. Weaver, J. Marshall. Mitchell, William E.	8HU	Faroo, Glenn. Weller, Alvin.	8KS 8KT	Newton, Archibald E.
8EY	Weaver, J. Marshall.	8HV	Weller, Alvin.	8KT	Williamson, Warren,
8EZ	Micchen, Whitshi E.	8HW 8HY	Strunk, William O. Kuehner, Roland.	8KII	Cookman, Murray R.
8FA	Fender, Clinton H.	8HZ	Fraser, John W.	8KV	Schramm, Joseph H.
8FB	Fender, Clinton H. Ulsh, Chester.	0		8KU 8KV 8KW	Schramm, Joseph H. Kohler, Harry. Cuff, Harold C.
8FC	Holden, ira S.	8IA	Griffin, John F.	8KX 8KY	Cuff, Harold C.
8FD	Walker, Carl.	SIB	Mielke, Carl E.	8K Y 8KZ	Thomas, Earl R. Snyder, Lawrence L.
8FE 8FF	Finch, Brent S. Baker, Raymond, S. Coleman, John B. Burger, Richard W.	8IC 8ID	Mielke, Carl E. Hoover, Paul L. Norris, George H.	OLZ	
8FG	Coleman, John B.	8IF	Schellenbach, Donald	8LA	Lindsay, Percy H. Palmer, Roland F. Curtiss, Glenn W., ir Rice, H. D. Scott, Hoyt S.
8FI	Burger, Richard W.	8IG	Sternfield, Charles B.	8LA 8LB	Palmer, Roland F.
8FJ		8I H	Ross, Donald H.	8LC	Curtiss, Glenn W., ir
8FL	Hudson, Albert N.	8II 8IJ	Steim, L. H.	8LD 8LE	Rice, H. D.
8FM 8FN	Daugherty, Robert J. Wellington, Vernon	81K	Steim, L. H. Diedrich, Paul E. McDowell, M. Fay. Williams, Burton, P.	8LF	Loebs, George.
OF 14	D.	8IL	Williams, Burton P. Collins, Benj. F. Ranger, Arthur. Garrity, William D. Trotter, Robert J. Electro-Set Company,	8LG	Loebs, George. Sibert, Richard E. Stauft, Jacob L.
8FO	Snyder, Norman G.	8I <b>M</b>	Collins, Benj. F.	8LH	Stauft, Jacob L.
8FP	Esslinger, Elwin.	8IN	Ranger, Arthur.	8LI	Hill, Dormand S.
8FQ 8FR	Phelps, Raymond W. Briggs, Fred.	8IO 8IP	Trotter Robert I	8LJ 8LL	Linxweiler, Carl J. Schwanecamp, Ray-
8FS	Donohue, Daniel, jr.	81Q	Electro-Set Company.	022	mond.
8FT	Snargo lamas A	1		8LM	MacLaughlin, Don-
8FU	Blattner, Emil H. Francis, Jesse J. Banes, Charles C. A.	8IR	Miller, Arthur P. Munch, Ernest A. and	07.37	ald.
8FV	Francis, Jesse J.	8IS	Munch, Ernest A. and	8LN 8LO	Butler, Harry F.
8FW	Thomas Norman	8IT	Albert A. Zelenka, Stanley. Eaton, Floyd W.	8LP	Nabring, Franklin. Bly, Ralph. Dunlap, Orrin E., jr.
8FX 8FY	Thomas, Norman. Prince, Harmon.	8ÎŪ	Eaton, Floyd W.	8LQ	Dunlap, Orrin E., jr.
8FZ	Bennett, Edward J.	8IV	Fox, John F.	8LR	Magdeburg, Morris R. Rawson, Myron A. Copp, Stanley.
		8IW	Green, John B.	8LS 8LT	Kawson, Myron A.
8GA	Burr, Gordon. Hill Top Y. M. C. A.	8IX 8IY	Dencer, John. Bidwell, Paul.	8LV	Kromme, Frank.
8GB 8GC	Wilson, Albert S.	8IZ	Steinman, Dwight H.	8LX	i ilgeniritz, James I. E.
8GD	l Brinker William N			8LX 8LY	Rose, Herman. Hess, Elmer.
8GE	Terbrack, John H.	8JA	Gunn, Ross.	8LZ	Hess, Elmer.
8G F	mcCowan, Jack.	8JB	Gunn, Ross. Beare, George L. Wing, Willis K.	8MB	Maxon, Harry L.
8G G	Edwards, Maynard W.	8JD 8JE	Deniels Le Roy	8MC	Holmes, Charles A.
8GH	Weaver, Floyd H.	SIF	Daniels, Le Roy. Moon, Orville. Lord, Harry R.	8MD	Holmes, Charles A. Hall, Eldred R.
8GI	Wahl.Edward C.	8JG	Lord, Harry R.	8ME	Proces Richard II
8GJ	Wahl, Edward C. Piper, Floyd B.	8JH	Nichols, Raymond	8MF	Robie, Milo H. Fish, J. Mulford. Bushnell, Clarence E. Manning, Howard H.
8G K	Tomlinson, George E.	8JI	D. H.	8MG 8MH	Pushnell Clarence E
8GL 8GM	Konrad, Henry. Root, Leland B.	8JJ	Waher Walter B	8MI	Manning, Howard H.
8GN	Henninger, Alan E.	8JK	Baer, Earle E.	8MJ	onerman, Freu.
8GO	Henninger, Alan E. Kohnitz, Harvey F.	8JL	Raring, William.	8MK	Vonderhaar, Elliott
8GP	i Swanson, Uscar.	8JM	Maddock, Lewis D. Weber, Walter B. Baer, Earle E. Raring, William. Westfall, Earl J. Arthurs, Biddle, jr. Becker, Freeman A. Y. M. C. A. Shervill Alyan C.	8ML	Berman, Isidore A. Levy, Irving R. Knoll, Floyd A.
8GQ	Horn, Herbert E. Long, Charles A. Kneale, Charles K.	8JN 8JP	Rocker Freeman A	8MM 8MN	Knoll Flored
8GR 8GS	Kneele Charles K	8JQ	Y. M. C. A.	8MO	Macgregor, James E.
8G <b>T</b>	Hoover, Raymond.	8JŘ	Sherrill, Alvan C.	1 8MP	Macgregor, James E. Neupert, Robert E. Duff, Cuthbert.
8GU	Hoover, Raymond. Loehr, George R. Kleber, Jackson O.	8JT	Sherrill, Alvan C. Williams, Raymond. McCann, Charles S.	8MQ	Duff, Cuthbert.
8GV	Kleber, Jackson O.	8JU	McCann, Charles S.	8MR	Livinggood, Hubert
W(11M)	Spencer, J. Edmund. Sheerin, Conway.	8JV	Kreighbaum, Cyru.	8MS	Ritchey, Ole B. Wendeln, Bernard O.
8G W 8G X	Shoorin Conway	8JW	Anderson, Joseph.		KITCHAY CHA B

#### EIGHTH DISTRICT—Continued.

# ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call sign <b>al.</b>	Owner of station.
OMETT	Watson Martin I	opw.	Wasses Fromb M	0011	Woodworth Comusi
8 <b>M</b> U	Watson, Martin L. Carson, William H. Follet, Louis, jr.	8P <b>W</b> 8P <b>Y</b>	Weaver, Frank M.	8SU	Woodworth, Samuel.
8MV	Carson, William H.	871	Cook, Vernor. Guy, Fred E.	8SV 8SW	Bratton, Harry B. Eames, William F.
8MW	Cooks, Louis, jr.	8PZ	Guy, Fred E.	85 W	Vandamakan Marin
8MX 8MY	Figher Horold W	00.4	Staushan Barmand	8SX 8SY	Vanderveken, Marix.
8MZ	Cooke, Lovell. Fisher, Harold W. Goodrich, Harry.	8QA	Struchen, Raymond	88Z	Maynard, Reginald. Tobin, W. A.
OML	Goodien, marry.	8QB		802	Tobin, W. A.
8NA	Waterman, Fred W.	8QC	Haderer, John. Lucas, W. Gerald.	8TA	Burson, Johnny I.
8NB 8NC 8ND	Waterman, Fred W. Frederick, Paul E.	8OD	Leonhardt, Carl. Barnhart, Walter. Kirchner, Charles.	8TB	Handler, Eugene.
8NC	French, Samuel W.	8QE	Barnhart, Walter.	8TC	Wightman, E. Rus-
8ND	McCarty, Alison.	8QF	Kirchner, Charles,	ſ	sell.
8NE	Mosteller, Floyd.	80°a	Lewis, Walter E.	8TD	McMillin, Howard F.
8N F	McCarty, Alison. Mosteller, Floyd. House, Elra E.	8QG 8QH	Kelly, Edward O.	8TE	Shafer, Andrew L. Welch, Thomas E.
8NG	Arenson, William.	801	McEniry, Clifford U.	8TF	Welch, Thomas E.
8NH	Arenson, William. Candler, Charles and	OUK	Lewis, Walter E. Kelly, Edward O. McEniry, Clifford U. Gould, Henry W.	8TG	Meighan, James C.
	Emma.	8QL	Coley. Hally E.	8TH	Meighan, James C. Gallo, Tony. Newbold, James L.
8NI	Zimmerman, Fred-	8QM	Milyo, Stephen. Mann, Rolland.	8TI	Newbold, James L.
8NJ	erick C., jr. Crumbie, Goodwin B.	I XON	Mann, Rolland.	8TJ 8TK	Rich, Martin
SN K	Hunt Barton I.	8Q0	Smith, Grant A. Powell, Ralph C.	8TL	Jefferys, Paul.
8NK 8NL	Appel, Floyd.	8Q.P	Powell, Raiph C.	8TM	Weber Walter B
8NM	Hunt, Barton L. Appel, Floyd. Keen, William L.	8QQ	Kampfe, Norbert J.	8TN	Dowding, Sidney. Weber, Walter B. Fla Havhan, Harry E.
8NN	Chester, Allan. Hansen, Torvald R. Wright, J. Warren. McMunn, J. Homer.	8QR 8QS	Grostick, George E. McCaig, William J.	8TO	Ris Havhan, Harry E. Stotter, Herbert J. Nealon, William A. Brooks, Clarence H. Yaeger, Henry. Eppley, Ervin W. Slagle, Vernon T. Leach, Gardner V.
8NO	Hansen, Torvald R.	8QT	Van Buren, Harold J.	8TP	Nealon, William A.
8NP	Wright, J. Warren.	800	Spindler, Raymond.	8TQ	Brooks, Clarence H.
8NQ	McMunn, J. Homer.	8QU 8QV	Hogan, James E.	8TR	Yaeger, Henry.
8NR	Hare, Paul W.	80w	Hogan, James E. Potts, Charles G.	8TS	Eppley, Ervin W.
8NT	Powker Cilron	80X	Basinger, Roswell.	8TT 8TU	Siagle, Vernon T.
8NU 8NV	Hare, Paul W. Proffitt, J. B. Barker, Gilroy. Sayles, Ralph H., jr.	8QW 8QX 8QZ	Davis, Benton W.	8TV	Leach, Gardner V.
8NW	Hankin John H		l	8TW	Richey Joseph I.
8NX	Hankin, John H. Weiser, Elmer P. Brown, Fred C.	8RA	Klager, Oscar C. Leach, J. Gardner. Weil, Norman C.	8TW 8TX 8TY	Wallace, L. Gordon. Richey, Joseph L. Anders, Harry R. Ehrhardt, Roy C.
8NY	Brown, Fred C.	8RB	Leach, J. Gardner.	8TY	Ehrhardt, Roy C.
8NZ	Simcox, Paul C.	8RC	Burn Por C	8TZ	Beasley, Ira E.
	l	8RD 8RE	Burr, Roy C. Weeks, Stuart R.		1 ''
80A	Worbass, Raymond	8RG	Copeland, Arthur.	8UA	Foncanon, H. Knight. Chadde, Walter F. Brown, Kenneth W. Motz, Leo.
000	K.	8RH	Locke, Carl M.	8UC	Chadde, Walter F.
80B 80E	Waldrip, Laurence H.	8RJ	Locke, Carl M. Irvine, Robert P.	8UD 8UE	Brown, Kenneth W.
8OG	Smith, Verne E.	8R K	Dalrymple, Clarence. Alexander, Frank.	8UF	Wing Willie V
80H	Hinton, Don. Harter, Raymond.	8RL	Alexander, Frank.	8UG	Wing, Willis K. Moore, Chester. Wiley, Violet A. Lester, William G.
80J	Furlong, Marcie J.	8RN	Altman, Allen.	8ŬĤ	Wiley, Violet A.
80 K	Furlong, Marcie J. Scheib, Joseph F.	8RO	Gwinner, Frederick	8UI	Lester, William G.
80L	Stern, Fred W.	op p	III.	8UJ	Boardman, Thomas
80 <b>M</b>	Balsley, James I.	8RP	Sutherland, Arthur		H.
80N 800	Ilgenfritz, Lester M. Hummel, Richard O. Reynolds, Charles L.	8RQ	E., jr. Wescott, A. F.	8UK 8UL	Egan, James.
800	Barmolde Charles I	8RR	Hull, Earl C.	8UL	Mitchell, Phillip.
80P 80Q	Cross, Blakely E.	SRS	Alger, Allan E.	8UM 8UN	Flehr, Paul D. MacPherson, William
80 <b>Ř</b>	Mason Norman P	8RS 8RT	Alger, Allan E. Toy, Miles N. Poad, Edwin H.	001	D.
8OT	Pancost, Maurice H.	8RU	Poad, Edwin H.	8UO	Jones, D. Walter.
80U	Boyer, Harry.	8RV	i Marshall, Frank J.	8UP	Jones, D. Walter. Lathrope, L. Stuart.
80V	Pancost, Maurice H. Boyer, Harry. Wahl, Arthur F. and	8RW	Schmidle, Claude.	8UQ	Leary, Robert. Hott, Loewy.
	Wilburt C.	8RX 8RY	Ryan, Theodore W. Goetz, Carl P.	8UR	Hott, Loewy.
80W 80X 80Y	Mitchell, Edward H.	ori	GUELZ, CALLE.	8US	I Hancock, H. W.
80X	Peck George W	8SA	Wood, Dewey H.	8UT 8UU	Schmidtz Coorgo
80 <b>Z</b>	Dreux, Alexander J. Peck, George W. Staud, Cyril J.	88B	Evans, George M	8UV	Hirsch, Leo. Schmidtz, George. Marshall, Ronald A.
00 <b>2</b>	Zuau, Ojin v.	8SC	Marchall Lannard	RUW	Gregory, P. L. Sleeman, Walter R. Adams, Lucius O. Moore, John B.
8PA	Miller, Arthur N.	8SD	Johnston, Clarence N. Vickery, William J. Fowler, Robert J.	8UX 8UY 8UZ	Sleeman, Walter R.
8PB	Miller, Arthur N. Case, Theodore J.	8SE	Vickery, William J.	8UY	Adams, Lucius O.
8PC	Kersting, Ferdinand.	88F	Fowler, Robert J.	8UZ	Moore, John B.
8PC 8PD 8PE	Krause, Karl A.	88G	Pesek, Myron R.	i)	
8PE	Kersting, Ferdinand. Krause, Karl A. Fisher, George C.	8SH 8SI	Beach Wester P	*8VA	Pearce, Henry A.
8PF	Maioin, Samuei.	88J	Ottney James N	8VB 8VC	Brown Arthur P
8P <b>J</b> 8PK	Malbin, Samuel. Ehrick, W. F. Gamble, Frederick D.	8SK	Woodcock W D	8VC 8VD	Rieble I F
8PL	Eckel John F	8SL	Spotts, Ralph T. Beach, Walter R. Ottney, James N. Woodcock, W. D. Cocklin, Gilbert W. Coleman H. Burr	8VE	Trombley, Clarence E. Brown, Arthur B. Riehle, J. F. Siedle, William R. Case, J. Gifford.
8PN	Eckel, John F. See, Chester.	8SM	Coleman, H. Burr.	8VF	Case, J. Gifford.
8PO	Carter, David G.	8SN	Coleman, H. Burr. Glatzel, Earle D.	8VG	Chartener, Ralph R.
8PP	Carter, David G. Wier, Edwin. Shaw, Eurcile L.	880	Preston, Menzo D.	8VH	Chartener, Ralph R. Googin, Nicholas L.,
8PQ	Shaw, Eurcile L.	8SP	Reid, Thomas A.		jr.
8PR	i Stiveson, Andrew.	88Q	Preston, Menzo D. Reid, Thomas A. Clarke, John H.	8VI	Case, Harlow.
8PT	Hornung, Romeo W. Jones, Winferd E.	8SR	Mueller, Henry C. Wurtz, Francis L.	8VJ	Umbarger, Harold N. Willard, Charles A.
8PU 8PV	Jackson, The C. F. Co.	8SS 8ST	Muhlheizler, Louis.	8VK 8VL	Edick, Leonard J.
OLA	Jackson, The C. F. Co.	99 1	muminionici, Louis.	0 T L	Parce, Poundia J.

#### EIGHTH DISTRICT-Continued.

#### ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8VM 8VN 8VO 8VP 8VQ 8VR 8VR 8VT 8VU 8VV 8VV 8VY	Wheat, Henry A., jr. Zornow, Harry. Ackerman, John T., jr. Ball, Alfred. Ziska, Alfred. Calvert, George C. Buck, E. Harold. Weaver, Henry C. Kane, William C., jr. Zeigler, Harry W. Stevens, Allen C. Fraser, William T. Caplan, Zola.	8VZ 8WA 8WB 8WC 8WE 8WF 8WF 8WH 8WH 8WH	Burchard, William K. Griffin, Jesse. Herrington, Fred. Allyn, William P. Fox, Edmund H. Hickler, Walter. Judd, Max A. Densmore, U. Harry. McCullough, C. Hax. Gillmore, Willard F. Stelzer, James G. Weiser, Perry W. O'Leary, Hilary.	8WM 8WN 8WO 8WP 8WP 8WT 8WT 8WU 8WV 8WW 8WW 8WW 8WW 8WX	Slocum, Charles. Yerigan, George S. Bush, Richard A. Bidwell, Paul. Poysell, Robert E. Carter, David G. Harber, Elwood F. Young, L. Clifford. Corts, R. E. Barnes, Orton S. Rodd, Herbert C. Hardesty, Howard P. Brown, Ralph M.

#### NINTH DISTRICT.

[Headquarters: Customhouse, Chicago, Ill. The ninth district comprises the States of Indiana, Illinois, Wisconsin, Michigan (Upper Peninsula), Minnesota, Kentucky, Missouri, Kansas, Colorado, Iowa, Nebraska, South Dakota, and North Dakota.]

#### ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power
	1. 3. 1	* 1	Kw.
9CK	Abel, Wilson L	224 South St., Waterloo, Iowa	0.
9NH	Abercrombie, Julius B	2617 Faraon St., St. Joseph, Mo	1.
9EX	Adolfson, George S	5229 Colorado St., Duluth, Minn	1.
9DI	Ahrensield, William H	200 N. Prospect Ave., Park Ridge, Ill	
9QD	Albach, Henry, jr	618 W. 4th St., Lawrence, Kans	
9FV	Aldrich, Clinton P	6405 Emerald Ave., Chicago, Ill	
9ACI	Allen, George M	435 Lane St., Topeka, Kans	
9JJ	Alvested, Clarence M	819 13th Ave., S., Minneapolis, Minn	
9VU	Allman, John C	Crown Point Ind	
$9\mathrm{TW}$	Anderson, Axel V	212 N. Florida St., Laurium, Mich	
9HZ	Anderson, Ivan H	1711 11th Ave. S., Minneapolis, Minn.	
9KM	Anderson, Oscar L	11815 State St., Chicago, Ill	200
9MP	Anderson, Paul D	Lamoni, Iowa. 3614 Rebecca St., St. Louis, Mo.	1.
9SN	Anderson, Virgil	3614 Rebecca St., St. Louis, Mo	
9MB	Andreas, Gerald T		
9OE	Andreen, Earl H	1204 Belknap St., Superior, Wis. Boulder, Colo	
9HA	Andrew, Warren	Boulder, Colo	-
9AJA	Argabrite, George A	3128 W. 32d Ave., Denver, Colo	
9AEP	Avery, Norman K	307 Bigelow Ave., Peoria, Ill	
9BT	Baldwin, Edward F	623 Crawford Ave., Dixon, Ill	
9RD	Bailey, Frank M	525 Kenilworth Ct., Clinton, Iowa	1,
9QI	Baldwin, Harry E	609 S. 18th St., Omaha, Nebr	Chill.
9QL	Baldwin, John G	Hope, N. Dak	1.
9ABR	Baker, Warren C	38 E. Madison St., Tipton, Ind	10000
9EM	Ball, George W	6601 Olmsted Ave., Chicago, Ill	1.
9DS	Ballantyne, Elmer	Hobart, Ind	1.
9AGD	Banks, Archie E	R. F. D. No. 2, Delmar, Iowa	
9AIS	Barber, Orville F	975 W. Packard St., Decatur, Ill. 2015 Western Ave., Mattoon, Ill.	
9AGW	Barnett, Forrest	2015 Western Ave., Mattoon, Ill	
9EJ	Barnett, Lawrence T	684 Greenleaf Ave., Glencoe, Ill	
9WY	Barnickol, Carl R	2317 Milwaukee Ave., Chicago, Ill	
9AGP	Barrett, Paul G	3150 Central Ave., Indianapolis, Ind	1000
90J	Barry, Daniel	310 W. Grand Ave., Springfield, Ill	
9AAR	Barton, Harold D	20 W. 26th St., Indianapolis, Ind	
9ADL	Bates, Clarence	2015 Wells St., Milwaukee, Wis	1.
9VY	Bauer, George D	2133 Weisser Park Ave., Fort Wayne, Ind	
9HR	Baulch, Ernest L	509 Eddings St., Fulton, Ky.	
9JE	Baumer, Harry W	5036 Kenmore Ave., Chicago, Ill	
9AGX	Bean, Mason	521 E. High St., Jefferson City, Mo	
9DJ	Beasley, William A	1517 Western Ave., Topeka, Kans	
9AFW	Bechtold, Joe and Fred V	North Manchester, Ind.	
9AGS	Becker, Paul M.	4427 Greenwood Ave., Chicago, Ill	
9CL	Beech, Guy L		
9VI	Beesley, Bernard J.	147 Montezuma St., Houghton, Mich	
9CQ.	Behmer, William		

# NINTH DISTRICT—Continued.

signal.	Owner of station.	Location of station.	Power
			Kw.
9QT 9UX	Beighley, Emmet R	107 N. 13th St., Fargo, N. Dak. 410 S. 7th St., Oskaloosa, Iowa. 910 S. 7th St., Goshen, Ind. Clarinda, Iowa	. 0.
UX	Bell, Fayett	410 S. 7th St., Oskaloosa, Iowa	1.
ML	Bell, Fayett Bement, David L Bennett, Harold Bennett, Herbert P	910 S. 7th St., Goshen, Ind	1.0
KS	Bennett, Harold	Clarinda, Iowa 4202 N. Winchester Ave., Chicago, Ill. 2706 Staddard St. St. Louis, Mo.	1.
VB	Bennett, Herbert P	4202 N. Winchester Ave., Chicago, III	1.0
VP		2706 Stoddard St., St. Louis, Mo. 517 N. 3d St., Fargo, N. Dak Stephenson, Wis	1.
PG	Bergherm, Worth D	517 N. 3d St., Fargo, N. Dak	1.
HE	Bergherm, Worth D Bergvall, Royal C. and Wesley E.	Stephenson, Wis	
WL	Wesley E.	OFF C Delevene Assa Milwoodee Wie	
	Bierbach, Werner	655 S. Delaware Ave., Milwaukee, Wis. 519 E. Lewis St., Fort Wayne, Ind.	:
VD	Bitner, Robert E. Black, Harry N. Black, Max I. Blake, Charles R.	1319 E. Lewis St., Fort. wayne, ind. Independence, Iowa. 130 W. 3d Ave., Mitchell, S. Dak. 132 Page Ave., St. Louis, Mo. 132 Westminister Pl., St. Louis, Mo. 132 Westminister Pl., St. Louis, Mo. 130 Jackman St. Janasville, Wis	:
WQ	Black May I	830 W 3d Ave Mitchell S Dak	:
AEH	Blake Charles R	5821 Page Ave St. Louis Mo	1
AAU	Blasier, Herbert, jr	Williamsburg, Iowa	1.
DH	Blatterman Headlee	6172 Westminister Pl., St. Louis, Mo.	
ATC	Bliss, Sidney H Blood, Lester C Blue River Power Co	120 Jackman St., Janesville, Wis 11165 Esmond St., Morgan Park, Ill	
UQ	Blood, Lester C	11165 Esmond St., Morgan Park, Ill	
WZ	Blue River Power Co	Crete, Nebr	1.
AFT	Dlum Cidney I	4105 Campbell St., Kansas City, Mo	1.
VK	Boardman, Horace C. and	Crete, Nebr. 4105 Campbell St., Kansas City, Mo. 372 Park St., Kenosha, Wis.	
1834	Boardman, Horace C. and Clarence E.		
HH	Bohac, Leonard	402 W. 1st Ave., Cedar Rapids, Iowa	1.
RC	Bohnstengel, George	702 W. Ist Ave., Cedar Rapids, Iowa Thornton, Ill. 5505 Bartmer Ave., St. Louis, Mo Louisville, Ill. 287 East St., Dubuque, Iowa. 1322 Lincoln St., Racine, Wis.	1.
PF	Bolin, Ray E	5505 Bartmer Ave., St. Louis, Mo	
SZ	Bonney, Harold H Bonson, George W Bornofska, Clarence and	Louisville, III.	
TM	Bonson, George W	287 East St., Dubuque, 10wa	1.
AGA	Bornoiska, Clarence and	1522 Linicoln St., Racine, Wis	
NT	Elmer. Brabander Carl W	907 Linwood Ave., Evansville, Ind	1.
NJ CT	Brabender, Carl W	323 W Broadway Louisville Ky	
ET	Bramball William	234 Mayfield Ave Chicago III	
WE	Brandt Erwin H	2314 Vliet St. Milwankee Wis	
EA	Brattland, Armond D	Ada, Minn	1.
CP	Brattland, Armond D Brauch, Nicholas	515 Court St., Le Mars, Iowa.	1.
SA	Brennan, Joseph D	501 Alpine St., Dubuque, Iowa	1. 1.
AEN	Brennan, Joseph D. Brewster, Vernon H. Briscoe, Bertram O. Briggs, Walter C.	515 Court St., Le Mars, Iowa 501 Alpine St., Dubuque, Iowa. Crystal Lake, III. 848 La Salle St., Chicago, III.	
AGU	Briscoe, Bertram O	848 La Salle St., Chicago, Ill	:
KJ	Briggs, Walter C	4525 Dupont Ave. S., Minneapolis, Minn. 330 N. Rural St., Indianapolis, Ind. 1149 W. Edwards St., Springfield, Ill.	
FQ	Brigham, Neal D. Brittin, Frank L. Brockschmidt, Wesley E	330 N. Rural St., Indianapolis, Ind	:
AGN	Brittin, Frank L	1149 W. Edwards St., Springheld, III	
QH	Brodnax, Lewis M	2506 Welnut Ct. Venges City Me	:
AGY LD	Brooks Bolph	97 156th Pl. West Hammond III	
SD	Brooks, Ralph. Broughton, William G. Brown, Clarence L. Bruestle, Walter F., jr.	213 S. Court St. Crown Point Ind	1.
BU	Brown Clarence I.	1022 E. Tahor St. Indiananolis Ind	1.
AAI	Bruestle Walter F ir	22 Sterett Ave. Covington, Kv	:
AHU		5332 Kenmore Ave., Chicago, Ill	
NP	Buckley, Harold J. Bullock, Merlin and Gerald. Bundy, Howard E.	1206 Wrightwood Ave., Chicago, Ill.	
ADO	Bullock, Merlin and Gerald.	3600 Gladstone Blvd., Kansas City, Mo	
QG	Bundy, Howard E	1007 S. Gallatin St., Marion, Ohio	1.
ABE	Button, Bert A	1149 W. Edwards St., Springfield, Ill. 173 Foote Ave., Bellevue, Ky. 326 Walnut St., Kansas City, Mo. 27 156th Pl., West Hammond, Ill. 213 S. Court St., Crown Point, Ind. 1022 E. Tabor St., Indianapolis, Ind. 22 Sterett Ave., Covington, Ky. 5332 Kenmore Ave., Chicago, Ill. 1206 Wrightwood Ave., Chicago, Ill. 3600 Gladstone Blvd., Kansas City, Mo. 1007 S. Gallatin St., Marion, Ohio. 2850 R St., Lincoln, Nebr. Monroeville, Ind. 44 Lake Geneva Rd., Salem, Wis. 865 S. Maffit St., Decatur, Ill.	1.
HI	Burchnell George M	Monroeville, Ind	
SH	Burdick, Roy E	44 Lake Geneva Rd., Salem, Wis	
KN	Burg, Harold E	865 S. Maffit St., Decatur, Ill	1.
ED	Burgess, Charles M. Burghardt, R. Douglas Burgy, Charles A., jr	Geneva, III. 5023 N. 24th St., Omaha, Nebr 693 Willow St., Winnetka, III. 1945 N. 7th St., Sheboygan, Wis 335 W. 9th St., Newport, Ky.	
WR	Burghardt, R. Douglas	5023 N. 24th St., Omaha, Nebr	
KU RW	Burgy, Charles A., jr	693 Willow St., Winnetka, III	
RW	Burhop, Harold Burkart, Louis J., jr	1945 N. 7th St., Sheboygan, Wis	1.
UW	Burkart, Louis J., jr	2000 5th Ct. Doubler Cole	
IQ AFS	Burr, Ralph H	2029 5th St., Boulder, Colo 911 W. Nevada St., Urbana, Ill	1.
AAG	Busey, Paul G Butler, Leonard Caldwell, Kenneth R	Wheeten III	1.
NW	Coldwell Konnoth P	622 W William St. Decetur III	
AHW		Wheaton, III 623 W. William St., Decatur, III. 1529 Pearl St. Sjoux City Jowa	1.
AIA	Campbell, Albert	1529 Pearl St., Sioux City, Iowa. 4243 W. Congress St., Chicago, Ill. 810 E. North St., Indianapolis, Ind.	
AGF	Canary, Elmer B	810 E. North St., Indianapolis, Ind.	
AAC	Carlisle, Lloyd	716 N. Broadway, Crookston, Minn.	1.
W.Q.	Call, George R. Campbell, Albert Cansry, Elmer B. Carlisle, Lloyd. Carnes, Theodore L. Carroll, William H. Carton David G.	716 N. Broadway, Crookston, Minn 1116 N. Capitol Ave., Indianapolis, Ind	1.
LR.	Carroll, William H	6334 McPherson Ave. St. Louis Mo.	
WR	Carter, David G	Grosse Pointe, Mich.	
PC	Carter, George W	High School Bldg., Fort Wayne, Ind	1.
WF	Carter, David G. Carter, George W. Carter, George W.	Grosse Pointe, Mich. High School Bldg., Fort Wayne, Ind	
ACTA	Case, Henry W	Wheeler, Ill	
GA LC	Casey, John G. Cassaday, Cecil E.	4945 Forrestville Ave., Chicago, Ill	

#### NINTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
		21	Kw.
9NT 9UL	Chapman, Richard C Cheyne, Thomas L	1332 K St., Lincoln, Nebr. 526 West Drive, Indianapolis, Ind. 4854 Dorchester Ave., Chicago, Ill.	0.
9UL	Cheyne, Thomas L	526 West Drive, Indianapolis, Ind	10000
90B 9ADY	Church, Archibald, jr. Clapp, Newell. Clark, Bayard H. Clark, Donald L. Clark, Marion E.	4854 Dorchester Ave., Chicago, III	1.
9DP	Clark Bayard H	Ellsworth, Wis. 205 Augusta Ave., De Kalb, Ill	1.
9ADH	Clark, Donald L	3240 Alcott St., Denver, Colo	1.
9VM	Clark, Marion E	3240 Alcott St., Denver, Colo	1.
9VM 9AFU	Clayton, Harold H	Indianapolis, Ind. R. F. D. No. 5, Monroevi'le, Ind. 680 Arch St., Indianapolis, Ind. 374 Farwell Ave., Milwaukee, Wis. 820-824 S. Clinton, Fort Wayne, Ind. 1138 Packard Ave., Fort Wayne, Ind. 2215 S. Royce St., Sioux City, Iowa. Geneva. Wis.	1.
9GU	Clayton, Homer E	680 Arch St., Indianapolis, Ind.	1.
9GU 9NA 9WA	Cleaveland, Leroy A Coats, Roscoe J Cornish, Clarence F Clough, Kendall Cobb, Merle A Coffmen Scott	374 Farwell Ave., Milwaukee, Wis	1.
9KG	Cornish Clarence F	1128 Packard Ava Fort Wayne, Ind	
9AAM	Clough, Kendall	2215 S. Royce St. Sioux City Iowa	
9CN	Cobb, Merle A.	Geneva, Wis. 61 N. Gale St., Indianapolis, Ind. 810 Vernon Ave., Glencoe, Ill.	
9AEV	Colf, Merie A. Coffman, Scott. Cole, Jirah D., jr. Cole, Jirah D., jr. Coles, James A. Community House	61 N. Gale St., Indianapolis, Ind	1.
9IF	Cole, Jirah D., jr	810 Vernon Ave., Glencoe, Ill	
9AN	Cole, Jirah D., jr		
9GV	Community House	Winnette III See Cole Jirch D in (04 N)	
9AIJ		1932 Pennsylvania Ave. S. Minneanolic Minn	1.
9SC	Cooper, Charles H	2126 Elliott St., Indianapolis, Ind	1.
9NO	Cooper, Charles H Coquilette, Glenn E. Corwin, Willis. Cottreel, Gorham J.	Community House, Lincoin St., winhetka, III 3637 12th Ave., Minneapolis, Minn. Winnetka, III. See Cole, Jirah D., jr. (9AN). 1932 Pennsylvania Ave., S., Minneapolis, Minn. 1216 Elliott St., Indianapolis, Ind. 117 Hutchins St., Woodstock, III. 117 E. McCarty St., Jefferson City, Mo. 1628 Jersey St., Quincy, III. 1229 St. Ann St., Owensboro, Ky. Prairic City, Iowa.	1
9ABD	Corwin, Willis	117 E. McCarty St., Jefferson City, Mo	
9AGG	Cottreel, Gorham J	1628 Jersey St., Quincy, Ill	1.
9UI 9NF	Cottrell, Hale T	1229 St. Ann St., Owensboro, Ky	1.
90Q	Cottreel, Gorham J Cottrell, Hale T Cottrell, William R Coultas, Charles Crabb, Thomas G Craig, Richard A Cramer, Wilbur R Crawford, Robert N., jr Cronk, Seymour H Crowdus, James A Cummings, Murney	1229 St. Ann St., Owensboro, Ky Prairie City, Iowa.  950 Beach Ave., St. Louis, Mo. 5906 Cater Ave., St. Louis, Mo. 1807 N. Meridian St., Indianapolis, Ind. 5130 S. 40th St., Omaha, Nebr. 3829 Vincennes Ave., Chicago, Ill. Stafford, Kans.	1.
9ABA	Crabb. Thomas G	5906 Cater Ave., St. Louis, Mo	1.
9BI	Craig, Richard A	1807 N. Meridian St., Indianapolis, Ind.	
9NG	Cramer, Wilbur R	5130 S. 40th St., Omáha, Nebr	
$^{9\mathrm{HL}}$	Crawford, Robert N., jr	3829 Vincennes Ave., Chicago, Ill	1.
$_{ m 9TE}$	Cronk, Seymour H	FOAT Windlington Acce CA I amin Mr.	
9RX	Cummings, Murney	258 S. W. Main St., Kenosha, Wis. Sweet Springs, Mo. Pembina, N. Dak. 2400 Elisha Ave., Zion City, Ill. 109 W. 2d St., Sioux City, Iowa. 2335 Belfontaine St., Indianapolis, Ind. St. Louis, Mo. See under "T," The David Ranken, Jr., School of Mechanical Trades. 509 Clarke St., Whiting, Ind. 6636 Normal Blvd., Chicago, Ill. 21 E. Caramillo Ave., Colorado Springs, Colo. 6141 S. Kilbourne Ave., Chicago, Ill. 1065 Yuma St., Denver, Colo. 1409 W. Edwards St., Springfield, Ill. 908 W. Stoughton St., Urbana, Ill. 209 Gray St., Indianapolis, Ind. 6 S. Fountain St., Cape Girardeau, Mo. 3115 N. Capitol Ave., Indianapolis, Ind. 1910 Sunnyside Ave., Chicago, Ill. 394 24th Ave., Milwaukee, Wis. 11mon, Colo. 3810 Alta Vista Ter., Chicago, Ill.	
9ACN	Curry, Wilfred N	Sweet Springs, Mo	
9GN	Curry, Wilfred N. Curtis, Charles D. Curtis, David S., jr.	Pembina, N. Dak	1.
9AIV	Curtis, David S., jr	2400 Elisha Ave., Zion City, Ill	
9TO	('vr Darrell l	109 W. 2d St., Sioux City, Iowa	-
9SF	Daugherty, Hugh D. David Ranken, jr., School of Mechanical Trades.	2335 Belliontaine St., Indianapolis, Ind	
	Machanical Trades	St. Louis, Mo. See under "T," The David Ranken,	11034
9FS	Davidson James	509 Clarke St. Whiting Ind	10000
9AZ	Davidson, James Davis, Donald W Davis, Herbert	6636 Normal Blyd., Chicago, Ill.	1.
9HM	Davis, Donald W	21 E. Caramillo Ave., Colorado Springs, Colo	- 1.
9AGQ	Davis, Herbert	6141 S. Kilbourne Ave., Chicago, Ill	1.
9EZ	Davis, Richard M	1065 Yuma St., Denver, Colo	1.
9KZ $9AIY$	Davis, William R. Davis, William R. Davis, Winfield Day, Harold E. Deal, Harmon B.	1409 W. Edwards St., Springheld, III	
080	Day Harold E	200 Gray St. Indiananolis Ind	7
9SO 9NN	Deal, Harmon B	6 S. Fountain St., Cape Girardeau, Mo.	1.
9EG	Dean, Carl W. Debus, George W. Degner, Le Roy Deich, Dayton P. Del-Vecchio, Earl Deming, Herschel Dennis, Eben R. Dielsson, Word	3115 N. Capitol Ave., Indianapolis, Ind.	1.
9RH	Debus, George W	1910 Sunnyside Ave., Chicago, Ill	1.
9ACT 9DX	Degner, Le Roy	394 24th Ave., Milwaukee, Wis	1.
90 W	Deich, Dayton P	Limon, Colo	1916
9ABN	Dening Herschel	1545 Barth Ava Indianapolis Ind	
9IW	Dennis, Eben R.	Hutchinson, Minn	1
9FG	Dickson, Ward	3810 Alta Vista Ter., Chicago, III. 1515 Barth Ave., Indianapolis, Ind. Hutchinson, Minn Carrollton, III.	,
9UD	Dichl Grant ir	Garonton, Milwaukee, Wis. 1305 Court St., Le Mars, Iowa. 2409 S. Harrison St., Fort Wayne, Ind. 1067 Ainslee St., Chicago, Ill. Collegeville, Minn.	
9MS	Dier, Stephen Diffenderfer, Davis A.	1305 Court St., Le Mars, Iowa	1
9VS	Diffenderfer, Davis A	2409 S. Harrison St., Fort Wayne, Ind	1
90 <b>A</b> 9AC <b>A</b>	Duley, Joseph	1067 Ainslee St., Chicago, Ill	1
9AIW	Dilley, Joseph Doerfler, Hilary Doole, Howard	Adams Nahr	
9AHK	Doole, Howard Drummond, Ralph Duncan, Wilbur H Dunklau, George P Dunlap, Carroll M Dunlap, Carroll M Ebert, Arthur Ebner, Emil E., jr. Edwards, Austin N	Adams, Nebr Oglesby, Ill 1199 W. Wood St., Decatur, Ill. 4046 Congress St., Chicago, Ill. High School, Manchester, Iowa. Manchester, Iowa	155
9ACG 9FE	Duncan, Wilbur H	1199 W. Wood St., Decatur, Ill.	
9FE	Dunklau, George P	4046 Congress St., Chicago, Ill	4 / 18
9AAP	Dunlap, Carroll M	High School, Manchester, Iowa	
9BC	Dunlap, Carroll M	Manchester, Iowa 3220 Potomac Ave., Chicago, Ill 603 N. 10th St., Atchison, Kans 6347 Kenmore Ave., Chicago, Ill	1
9AAO 9AEI	Ebner Emil F in	602 N 10th St Atchison Vone	1
9DD	Ederer Lothar A	6347 Kenmore Ave. Chicago. III	1
9UZ	Edwards, Austin N	99 E. 4th St., Covington, Ky	1
9AEZ 9LV	Egloff, Edward and Martin.	2729 W. Barry Ave., Chicago, Ill.	1.
9LV 9PM	Edwards, Austin N Egloff, Edward and Martin Ehling, Fritz M Eick, Ferdinand	99 E. 4th St., Covington, Ky. 2729 W. Barry Ave., Chicago, Ill 1438 E. 1th St., Indianapolis, Ind. 1818 19th St., Superior, Wis	1.
			1

#### NINTH DISTRICT—Continued.

Call gnal.	Owner of station.	Location of station.	Powe
	SE .		Kw.
CD	Eisele, Edward J	1324 Rutledge St., Madison, Wis. 1733 N. Meridian St., Indianapolis, Ind. 615 N. Madison St., Marion, Ill. 664 48th St., Milwaukee, Wis. 1623 24th Ave., Moline, Ill. 627 W. Superior St. Eart Wayne, Ind.	1.
DU	Elliott, Bryon K	1733 N. Meridian St., Indianapolis, Ind	1.
BA_	Elmore, Virtus R Engel, Roman	615 N. Madison St., Marion, Ill	1.
1 GZ	Engel, Roman	664 48th St., Milwaukee, Wis	
IIQ	England Lawrence	1623 24th Ave., Moline, Ill	
JM	Erickson, Edward H	1623 24th Ave., Molme, III. 627 W. Superior St., Fort Wayne, Ind. 225 Lafayette Ave., Racine, Wis. 1108 Elm St., Winnetka, III. 1619 S. 8th St., Minneapolis, Minn. 6632 Kimbark Ave., Chicago, Ill. 2325 Arapahoe St., Denver, Colo.	-
DC B	Erickson, Einer A	225 Lalayette Ave., Racine, Wis	
10 B	Erickson, Einer A Erikson, Einer A Erikson, Eben W Estling, David A Evans, Walter C Eyth, Hector G.	1008 E.Im St., Winneshalis Minn	
AZ	Esting, David A	6629 Vimbork Ave. Chicago III	1
F	Evalls, Walter C	2225 Aranahaa St Danyar Colo	1
C	Fahrney Clarence H	Polo III	1
IF	Fahrney, Clarence H Fawcett, Lester S Fawkes, Charles E	206 3d Ave. S. W. Independence, Iowa	1
P	Fawkes, Charles E	503 Hill St., Dubuque, Iowa	
BT	Fedder, Herman	1440 W. High St., Davenport, Iowa	1
JE	Fels, Thomas W	2105 John St., Fort Wayne, Ind	1
GH	Fenner, Zell G	23 E. Washington St., Colfax, Iowa	1
VN	Ferdinand, Harry P	1315 School St., Rockford, Ill	
IN	Ferguson, William B	108 N. 17th St., Richmond, Ind	
IO	Fawkes, Charles E Fedder, Herman Fels, Thomas W Femner, Zell G Ferdinand, Harry P Ferguson, William B Ferree, Frank H Fiedler, Herbert W Figlengt Fred	434 E. 9th St., Alton, III	
GV	Fiedler, Herbert W	1142 Diversey Parkway, Chicago, III	
I	Finehout, Fred. Finlay, William J Finley, Cyrus P Fisher, Ralph D Flewig Henvi	6652 KIMBARK AVE, Chicago, III. 2225 Arapahoe St., Denver, Colo. Polo, III. 206 3d Ave., S. W., Independence, Iowa. 503 Hill St., Dubuque, Iowa. 1440 W. High St., Davenport, Iowa. 1205 John St., Fort Wayne, Ind. 23 E. Washington St., Colfax, Iowa. 1315 School St., Rockford, III. 108 N. 17th St., Richmond, Ind. 434 E. 9th St., Alton, III. 1142 Diversey Parkway, Chicago, III. 1310 E. New York St., Indlanapolis, Ind. 525 Oakwood Ave., Webster Groves, Mo. 339 3d Ave., W., Cedar Rapids, Iowa. 918 S. 7th St., Fargo, N. Dak. 743 W. 26th St., Chicago, III. 228 E. 5th St., Newport, Ky. 3522 1th Ave., S., Minneapolis, Minn. 925 Winchester St., Milwaukee, Wis. 231 Lincoln Ave., Crookston, Minn. Adams, Nebr.	1
Q M	Finlay, William J	220 2d Avo. W. Coder Repids Town	1
M	Fisher Polph D	018 S 7th St Fargo N Dak	1
N	Flesvig, Henry Flynn, John H., jr Forbes, Henry C Foster, Edwin J. Fox, Laurence C	743 W 26th St. Chicago Ill	
N	Flynn John H ir	228 E. 5th St., Newport, Ky	1
B	Forbes, Henry C	3532 11th Ave., S., Minneapolis, Minn.	
K	Foster, Edwin J	925 Winchester St., Milwaukee, Wis	
F	Fox, Laurence C	231 Lincoln Ave., Crookston, Minn	1
IW	Francis, Lyle	Adams, Nebr. 1727 W. 2d St., Davenport, Iowa.	
CR	Frank, George Franklin, Meurice W	1727 W. 2d St., Davenport, Iowa	
DA	Franklin, Meurice W	Sewar, Nebr	1
U	Frech, Lester French, Newell E	336 E. Sutterfield St., Fort Wayne, Ind	1
K	French, Newell E	1722 Maple St., Racine, Wis	
BS	Frenzel, Oscar F., jr Friend, Earle M	1338 N. New Jersey St., Indianapolis, Ind	
L	Friend, Earle M	4815 Vincennes Ave., Chicago, III	
Y.G.	Fritz, Jack A. S. Fruit, Lester. Gabbert, Oscar F., ir. Galpin, John K.	742 Lawrdolo Ave. South Band Ind	1
IX	Gabbert Oscar F ir	911 Kentucky St. Michigan City, Ind	1
X	Galpin John K	2132 Broadway, Indianapolis, Ind	
GE	Gamble, Glen A	4329 Brudette St., Omaha, Nebr	1
W	Gammon, Frank E	811 18th St., Ashland, Ky	1
ES		810 E. 40th St., Kansas City, Mo	
VO	Garrett, Sherman S. Garver, Norman D. Gates, Arthur R. Gates, George B.	504 W. Washington St., Champaign, Ill	
EB	Garver, Norman D	210 4th Ave., Peoria, III	
IV	Gates, Arthur R	613 Arsenal St., St. Louis, Mo	
HA	Gates, George B	942 Superior St., Racine, Wis	
N	deiger, frams r	3151 Graceland Ave., Indianapolis, Ind	
K	Gerkey, Lewis K	Sewar, Nebr. Sewar, Nebr. Sewar, Nebr. Side E. Sutterfield St., Fort Wayne, Ind. 1722 Maple St., Racine, Wis. 1338 N. New Jersey St., Indianapolis, Ind. 1815 Vincennes Ave., Chicago, Ill. 2211 Salisbury St., St. Louis, Mo. 743 Lawndale Ave., South Bend, Ind. 911 Kentucky St., Michigan City, Ind. 2132 Broadway, Indianapolis, Ind. 4329 Brudette St., Omaha, Nebr. 811 18th St., Ashland, Ky. 810 E. 40th St., Kansas City, Mo. 504 W. Washington St., Champaign, Ill. 210 4th Ave., Peoria, Ill. 613 Arsenal St., St. Louis, Mo. 942 Superior St., Racine, Wis. 3151 Graceland Ave., Indianapolis, Ind. 403 Lexington St., Independence, Mo. Lanark, Ill.	
K VD	Gladings, Edward H	Now London Town	
U	Giddings, Edward HGiese, Raymond CGisseler, Herman	2828 Fletcher St. Chicago, Ill	
N	Glasgow, Roy S	3151 Graceland Ave., Indianapolis, Ind. 403 Lexington St., Independence, Mo Lanark, Ill. New London, Iowa 2828 Fletcher St., Chicago, Ill. 3966 Arsenal St., St. Louis, Mo. 478 Lawndale Ave., South Bend, Ind High School, South Bend, Ind. 2006 Fulton Ave., Evansville, Ind. Shawnee, Kans. 703 Marion St., Boone, Iowa 1500 Grand Ave., Racine, Wis. 310 Van Buren St., Joliet, Ill. 2316 Clybourn St., Chicago, Ill Blooming Prairie, Minn. 1061 Mulberry St., Rockford, Ill. 2825 Irving Pk. Blvd., Chicago, Ill 3033 Park Ave., Kansas City, Mo. 117 South St., Woodstock, Ill. 1108 Clay St., Woodstock, Ill. 1113 Park Row, Lake Geneva, Wis. Prairie du Chien, Wis. 34 Walnut St., Savanna, Ill. 1321 Western Ave., Topeka, Kans. 4704 Fulton St., Chicago, Ill 441 Tacoma Ave., Indianapolis, Ind. 4816 W. Berteau Ave., Chicago, Ill.	
HT	Glasgow, Roy S. Glavin, Roland E. Glavin, Roland E. Gleichman, Walter C. Goddard, C.	748 Lawndale Ave., South Bend. Ind.	
M	Glavin, Roland E	High School, South Bend, Ind	
IT	Gleichman, Walter C	2006 Fulton Ave., Evansville, Ind	
SZ	Goddard, C	Shawnee, Kans	
CS		703 Marion St., Boone, Iowa	
S	Goodnetter, Elmore F	1500 Grand Ave., Racine, Wis	
S	Goodnetter, Elmore F	310 Van Buren St., Joliet, Ill	
F	Goorisich, John A	2316 Clybourn St., Unicago, III	
S		1001 Mulberry St. Real-ford III	
RP	Graf, Rudolph	2025 Irving Pk Blyd Chicago III	
IL IQ	Grafe, Harold Graham, Albert I.	2022 Pork Ave Kansas City Mo	
T	Graves C C	117 South St. Woodstock, Ill	
JK	Graves, G. G	Polo, Ind	
C	Graybin, Donald K. Greenleaf, Sydine A. Greene, Clark W.	708 Clay St., Woodstock, Ill.	
Y	Greene, Clark W	1113 Park Row, Lake Geneva, Wis.	
CD	Tureene, John	Prairie du Chien, Wis	
PQ.	Greenleaf, Burton B	34 Walnut St., Savanna, Ill	
IDB	Greenwood, George W., ir	1321 Western Ave., Topeka, Kans	
X	Greenwood, George W., jr Griffiths, Robert E	4704 Fulton St., Chicago, Ill	
IO	Griggs, Fred W	441 Tarom Ave., Indianapolis, Ind. 4816 W. Berteau Ave., Chicago, Ill. Delmar, Iowa.	
TQ AB			

#### NINTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Kw.
9CH 9AGO	Grosscup, Harry W Groth, William A Gruda, Edgar	3746 Giddings St., Chicago, Ill. 1534 W. Locust St., Davenport, Iowa. 329 25th Ave., Milwaukee, Wis. 1006 St. John St., Albert Lea, Minn. 630 Wallis Ave., Rockford, Ill. 214 Crawford St., Boone, Iowa.	0
9AGO	Groth, William A	1534 W. Locust St., Davenport, Iowa	100
9TU	Gruda, Edgar	329 25th Ave., Milwaukee, Wis	W-50
9AJE	Gunderson, Clarence	1006 St. John St., Albert Lea, Minn	-
PX	Gunderson, Clarence. Gustafson, C. Hjalmar. Gustafson, Gerald Guthrie, Edwin P. Hadley, J.	630 Wallis Ave., Rockford, Ill	1.
9JO 9RM	Gustafson, Gerald	214 Crawford St., Boone, Iowa	
9RM	Guthrie, Edwin P	2352 Bellefontaine St., Indianapolis, Ind	1
9HF	Hadley, J	216 Kedzie St., Evanston, III	1
9DF	Hadley, J. Hagedorn, Gilbert H. Hageman, Edwin S. Haines, Thorvald L. Haitz, Fred, jr. Hall, Alfred H.	234 Crawford St., Boone, Iowa 2352 Bellefontaine St., Indianapolis, Ind. 216 Kedzie St., Evanston, Ill. 357 N. Pleasant St., Kenosha, Wis.	
9ACU 9MY	Hageman, Edwin S	Elisworth, Wis	
DAEU	Hailes, Thorvard L	2001 Fourth Ave. Sieur City Town	
PAEO	Hall Alfred H	4015 Alastt St. Danver Cole	
OCF	Holl Horlan P	92 Marriam Pl St Poul Minn	1.
AV	Homel Welter H	1006 S 14th St Tefevette Ind	
TIT	Hamilton Leo L	207 Front St. Harvard III	1
PAV PUT PTJ	Hancock George T	R F D No 1 Fairfield Nebr	1
PB	Hancock, Leverne	1209 13th St. Superior Wis	
9CE	Hall, Alfred H. Hall, Alfred H. Hamel, Walter H. Hamilton, Leo L. Hancock, George T. Hancock, Leverne. Hansen, Leland H. Harlin, Paige J. Harmegnies, Paul E. Harris, Frank M., jr. Harris, Harvey P. Harris, Ralph G. Harris	357 N. Pleasant St., Kenosha, Wis. Ellsworth, Wis. 842 Main St., Racine, Wis. 3901 Fourth Ave., Sioux City, Iowa. 4015 Alcott St., Denver, Colo. 23 Merriam Pl., St. Paul, Minn. 1006 S. 14th St., Lafayette, Ind. 207 Front St., Harvard, Ill. R. F. D. No. 1, Fairfield, Nebr. 1209 13th St., Superior, Wis. 1123 Herrick Ave., Racine, Wis. 3704 S. Bryant Ave., Minneapolis, Minn. 370 Wisconsin Ave., Oak Park, Ill. 920 N. Harrison St., Topeka, Kans. 920 Burns St., Alton, Ill.	
AHE	Harlin, Paige J	3704 S. Bryant Ave., Minneapolis, Minn.	
RF	Harmegnies, Paul E	730 Wisconsin Ave., Oak Park, Ill	
AAY	Harris, Frank M., ir	920 N. Harrison St., Topeka, Kans.	
AFO	Harris, Harvey P	920 Burns St., Alton, Ill	-53
IZ	Harris, Ralph G	Gilman, Ill	
LK	Harrison, Major P., jr	118 E. Pratt St., Indianapolis, Ind	1
CJ ADT	Harrison, Major P., jr Harry, Charles Hartmann, Gilbert and Mar-	Gilman, Ill. 118 E. Pratt St., Indianapolis, Ind. Quincy and Douglas Sts., Houghton, Mich. 210 State St., Wauwatosa, Wis	1
	tin.	210 State St., Wauwatosa, Wis	
KY FL UV CX DY	Hartwell Eugene H	R. F. D. No. 28, Sale, Wis	
FL	Hauck, George Hayes, James E. S.	218 Chestnut St., Newport, Ky	1
OV	Hayes, James E. S	220 W. 4th St., Duluth, Minn	
DV	Haynes, Roy. Healy, Kent T. Heck, Lawrence F.	6939 S. May St., Unicago, III.	1
BF	Hook Lowronce F	1920 Center St. Pagine Wis	120
FR	Hackankamn Emila B	300 E St Belleville III	1
ADQ	Heckenkamp, Emile B Hect, Royal H	1523 Estes Ave. Chicago III	1 1
UO	Hect, Koyal H. Hegge, Adolph. Heise, Paul A. Heise, Elmer B. Heiser, Walter C. Hellwig, Emil C. Helms, Elvin E. Hendricks, George H. Henry, Albert L. Herring, Raymond C.	Hatton, N. Dak	3
CR	Heiae, Paul A	841 Wilson Ave., Chicago, III 513} Franklin St., Michigan City, Ind. 35 E. 336 St., Indianapolis, Ind 1729 Sunnyside Ave., Burlington, Iowa	1
OCW OLI	Heise, Elmer B	513½ Franklin St., Michigan City, Ind	S INS
LI	Heiser, Walter C	35 E. 33d St., Indianapolis, Ind	
IL	Hellwig, Emil C	1729 Sunnyside Ave., Burlington, Iowa	THE
KL	Helms, Elvin E		
IO	Penry Albert I	Pannington Vons	1
AGG	Herrling Raymond C	856 Prospect St. Elgin III	_
EL	Herrmann, Louis G	1330 Anthony Blyd Fort Wayne Ind	
EQ	Hesly, Daniel	1244 Carmon Ave. Chicago. Ill	
MU	Hesly, Daniel	832 Forest Ave., Wilmette, Ill.	
ADW	Hicks, Verner Hilgenberg, Noble C Hoffman, Erich A	1410 Barth Ave., Indianapolis, Ind Bennington, Kans 856 Prospect St., Elgin, Ill. 1330 Anthony Blvd., Fort Wayne, Ind. 1244 Carmon Ave., Chicago, Ill. 1366 E. Marion, Ill. 1428 Park Ave., Indianapolis, Ind. 1419 Laramie St., Atchison, Kans. 1458 11th Ave., Milwaukee, Wis. 122 Dayton St., Madison, Wis. 1370 18th Ave., Milwaukee, Wis. 120 Broadway, Crookston, Minn. 13106 Graceland Ave., Indianapolis, Ind. 1506 Sterrett Ave., Covington, Ky. 1108 Franklin St., Burlington, Iowa. 124 E. 32d St., Indianapolis, Ind. 150 E. Green St., Decatur, Ill. 1112 E. Jackson St., Springfield, Ill. 1115 Buffalo, Ill. 1151 E. Chemosic W.	1
DG WV	Hilgenberg, Noble C	1428 Park Ave., Indianapolis, Ind	
WV	Hoffman, Erich A	819 Laramie St., Atchison, Kans	1
SR	Hogan, Lee. Holcombe, Ray E. Hollister, Harold A. Holte, Harold O.	458 11th Ave., Milwaukee, Wis	
BP EH	Holcombe, Ray E	22 Dayton St., Madison, Wis	
OI	Hollister, Harold A	370 ISth Ave., Milwaukee, Wis	
ABI	Honograp Wolter	220 Broadway, Crookston, Minn.	1
QE	Honecker, Walter. Hopkins, Stanley W	520 Croonloof Avo. Clonges III	
OI.	Hood Kuper ir	206 Sterrett Ave Covington Ky	1
QJ JG	Hood, Kuper, jr. Hood, Norman R Hood, Thomas	1108 Franklin St., Burlington, Jowa	
QS	Hood, Thomas	124 E. 32d St., Indianapolis, Ind.	. 1
AEJ	Hornbeck, Holton	150 E. Green St., Decatur, III	
AIL	Howard, Charles B	1712 E. Jackson St., Springfield, Ill	
$_{ m AFE}$	Howard, Clyde M	Buffalo, Ill.	1
AFE	Hornbeck, Holton.  Howard, Charles B  Howard, Clyde M  Howard, John C.  Howard, L. Hardeman	311 S. State St., Champaign, Ill.	1
VG PT	Howard, L. Hardeman	112 West St., Fulton, Ky.	1
	Howland, H. N. Huckett, Edwin W. Huff, Fred W. Huffman, Verne A. Huffman, Charles	402 N College St. Kansas City, Ma	1
IA AET	Huff Fred W	4328 Tracy Ava Kansas City, Mo	1
MO	Huffman Verne A	218 Jackson St. Polo III	1
RV	Huffman, Charles	131 W. Calendar Ave. La Grange III	
AIP	Hunt, Clayton S.	R. F. D. No. 2. Urbana, Ill.	
ADG	Hughes, Arthur S	7390 Maple Ave., Maplewood, Mo.	1
MV	Hughes, James C	418 Taylor St., Topeka, Kans	i
MJ PT	Huntan, Clayton S Hughes, Arthur S Hughes, James C Hussner, Helm C Hyde Park High School Ra-	1712 E. Jackson Št., Springfield, Ill.  Buffalo, Ill.  311 S. State St., Champaign, Ill.  112 West St., Fulton, Ky.  Stony Isld. Ave., and 62d St., Chicago, Ill.  402 N. Oakley St., Kansas City, Mo.  4328 Tracy Ave., Kansas City, Mo.  218 Jackson St., Polo, Ill.  131 W. Calendar Ave., La Grange, Ill.  R. F. D. No. 2, Urbana, Ill.  7390 Maple Ave., Maplewood, Mo.  418 Taylor St., Topeka, Kans.  968 Drew St., Appleton, Wis.  Stony Isld. Ave. and 62d St., Chicago, Ill.	1
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#### NINTH DISTRICT—Continued.

# ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Kw.
9GZ	Ihl, G. Sheridan	3834 N. 25th St., St. Louis, Mo	0
9DA	Irvin, John A	Cannelton, Ind. 422 S. 16th Ave., Maywood, Ill	1
PAU	Twee John C	Care Cirerdeen Me	1
9NY 9ADF	Ivy, John S	Cape Girardeau, Mo	1
DAFA	Jarboe, Owen	1330 W 50th St Chicago TII	1
PAFA PACM PDE	Jaroszéwicz, Casimir. Jeffrey, Albert E. Jensen, Arnold N. Jensen, Louis T. Jewett, Gerald A. Johnson, Arthur F. Johnson, Lorin F. Johnson, Lorin F. Johnson, Paul E. Johnson, Ralph J. Johnson, Roderick E. Jordan, Jacob Jorgenson, Harold Jorgenson, O. B.	High School, Goshen, Ind	1
DE	Jensen Arnold N	High School, Goshen, Ind. 336 High School Ave., Council Bluffs, Iowa. 1217 Center St., Racine, Wis. 2105 High St., Des Moines, Iowa. 2706 Mersington Ave., Kansas City, Mo.	
OTK OQR OAL	Jensen, Louis T	1217 Center St., Racine, Wis	1
QR	Jewett, Gerald A	2105 High St., Des Moines, Iowa	
AL	Johnson, Arthur F	2706 Mersington Ave., Kansas City, Mo	
CI	Johnson, August R	Houghton, Mich	
OC	Johnson, Lorin F	R. F. D. No. 7, Columbia, Mo 2800 E. 26th St., Minneapolis, Minn. 628 Marion Ave., Indianapolis, Ind	
QU	Johnson, Paul E	2800 E. 26th St., Minneapolis, Minn	
QU CG CV AIK	Johnson, Raiph J	628 Marion Ave., Indianapolis, Ind	
ATIZ	Johnston, Roderick E	Jefferson Tigh Cohool Toforette Ind	
BS	Jorganson Harold	041 Horriel Ave Pocine Wis	
JD	Jorgenson, O. B.	1610 Hughitt Ava Superior Wis	-
KO	Joseph, Jarold S	465 Park Ave. Council Bluffs Iowa	
KO ADV	Joslin, Murray	Independence, Iowa	
AK	Jumisko, Harold W	241 Wolverine St., Laurium, Mich.	
DR	Joseph, Jarold S. Joslin, Murray. Jumisko, Harold W. Juvenal, James B.	345 Washington Blvd., Kansas City, Kans	
WC	Kamenstme, rapian M	628 Marion Ave., Indianapolis, Ind Boulder, Colo. Jefferson High School, Lafayette, Ind. 941 Herrick Ave., Racine, Wis. 1619 Hughitt Ave., Superior, Wis. 465 Park Ave., Council Bluffs, Iowa. Independence, Iowa. 241 Wolverine St., Laurium, Mich. 345 Washington Blvd., Kansas City, Kans. 3400 Morgan St., St. Louis, Mo. 445 3d St., Reedsburg, Wis. 928 Wright St., Milwaukee, Wis. 634 W. 4th St., Superior, Wis. 6425 Parnell Ave., Chicago, Ill. 1742 N. Park Ave., Chicago, Ill. Ashland, Ky. Kinsley, Kans. 602 25th St., Kearney, Nebr. 1311 W. Maple Ave., Independence, Mo. 551 Parkside Ave., Chicago, Ill. Dunwoody School, Minneapolis, Minn. 3208 Western Ave., Mattoon, Ill. 725 6th Ave., Council Bluffs, Iowa. 7348 Lafayette Ave., Chicago, Ill.	
AJG AI	Kansier, Victor H	445 3d St., Reedsburg, Wis	
AI	Kaufmann, Elmer. Keeler, Fayette W. Keenan, Charles J. Kees, Rossman W.	928 Wright St., Milwaukee, Wis	
BD	Keeler, Fayette W	634 W. 4th St., Superior, Wis	
LF	Keenan, Charles J	1749 N. Pork Ave. Chicago, III.	
QB HY	Keffer Allen W	Achland Ky	
ADE	Keller Carl E	Kinsley Kans	
JL	Keffer, Allen W Keller, Carl E Keller, Stanley L Kelley, Eugene V Kelley, Edward L	602 25th St., Kearney, Nebr	
WI	Kelley, Eugene V	1311 W. Maple Ave., Independence, Mo.	
WT	Kelley, Edward L	551 Parkside Ave., Chicago, Ill.	
AAT	Kenyon, Vernon N	Dunwoody School, Minneapolis, Minn	
GY	Kenyon, Vernon N Kern, L. Armstrong Kerney, Iden M Kihlstrom, Harry C Kimmel, Maurice E	3208 Western Ave., Mattoon, Ill	
HC	Kerney, Iden M	725 6th Ave., Council Bluffs, Iowa	
AH	Kihlstrom, Harry C	7348 Lafayette Ave., Chicagó, Ill. 203 E. South St., DuQuoin, Ill.	
ME ABM	Kimmel, Maurice E	203 E. South St., DuQuoin, III.	
AP	Kingsland, Le Roy	1445 W State St. Poel-ford III	
HG	Kistner Joseph	222 E. Southgate St. Newport Ky	
CM	Kingsland, Le Roy. Kingsley, Raymond C. Kistner, Joseph Klicpera, Milhart F.	2326 Clarence Ave., St. Louis, Mo 1445 W. State St., Rockford, Ill 222 E. Southgate St., Newport, Ky 1705 Douglas Ave., Racine, Wis.	
RB	Kluge, Arno A.  Knodle, Almon S.  Knouf, Ralph.  Knowles, Ivar A.  Koch, Emerson L.	Ravenna, Nebr. 1942 Talbott Ave., Indianapolis, Ind. 1344 21st St., Des Moines, Iowa. 523 Merchant St., Effingham, Ill. 3032 E. Michigan St., Indianapolis, Ind. 3141 Osage St., St. Louis, Mo.	
AGM LU	Knodle, Almon S	1942 Talbott Ave., Indianapolis, Ind.	
LU	Knouf, Ralph	1344 21st St., Des Moines, Iowa	
AAK	Knowles, Ivar A	523 Merchant St., Effingham, Ill	
IB		3032 E. Michigan St., Indianapolis, Ind	
UG	Koenig, William, jr Kohl, William	3141 Osage St., St. Louis, Mo	
OD SG	Koni, William	000 St. Clair Ave., Sheboygan, Wis.	
PA	Komm, Paul M	1607 N 12th St., Unicago, III	
HO	Korthals, Albert Kossow, Erwin Kramer, Andrew W	2003 E. Michael St., Indianapolis, Ind. 3141 Osage St., St. Louis, Mo. 606 St. Clair Ave., Sheboygan, Wis. 1116 Wolfram St., Chicago, Ill. 1607 N. 13th St., Sheboygan, Wis. 760 32d St., Milwaukee, Wis. 7724 Lowe Ave., Chicago, Ill.	
WX	Kramer Andrew W	7724 Lowe Ave. Chicago III	
KE	k ranzielder. Leonard I	Bayfield, Wis.	
TC	Krause, Charles H.	4419 Forest Park Blyd., St. Louis, Mo.	
TC NI	Krause, Charles H. Krug, Eugene C. Krus, Carl.	4419 Forest Park Blvd., St. Louis, Mo. 2249 St. Louis Ave., St. Louis, Mo. 4652 N. Hermitage Ave., Chicago, Ill 1538 Kentucky St., Lawrence, Kans. 2508 N. Spaulding Ave., Chicago, Ill	
AFD	Krus, Carl	4652 N. Hermitage Ave., Chicago, Ill	
LQ AJI	Krusé, Schiller Kuhl, S. Harris	1538 Kentucky St., Lawrence, Kans	
AJI	Kuhl, S. Harris	2508 N. Spaulding Ave., Chicago, Ill	
FU PR	La Duke, Earl R	1100 S. Josephine St., Denver, Colo	
rk Tz	La Duke, Earl R Laidlaw, Robert F Lamb, Rea M	5217 Gienwood Ave., Chicago, III.	
TZ AEC	Lamb, Rea M	119 MIIWAUK66 Ave., Kenosha, Wis	
PG	Landon, Edward B	2506 N. Spanting Ave., Chicago, III. 1100 S. Josephine St., Denver, Colo. 5217 Glenwood Ave., Chicago, III. 119 Milwaukee Ave., Kenosha, Wis 3860 Oceola St., Denver, Colo. 517 N. 3d St., Fargo, N. Dak.	
KT	Langen, George R	St Anthony Town	
AED	Larsen Clifford N	504 Spring St Floin III	1
QA	Larson, Lee H	2020 Telegraph Rd Davenport Iowa	
QA TX	La Rue, Harold	633 Park Ave. W. Waterloo Towa	
PV	Langen, George R. La Plant, G. L. Larsen, Clifford N. Larson, Lee H. La Rue, Harold Laube, Herbert L. Laughlin, Dola	315 Grace St., Dubuque, Iowa	
LN	Laughlin, Dale	517 N. 3d St., Fargo, N. Dak St. Anthony, Iowa. 504 Spring St., Elgin, Ill. 2020 Telegraph Rd., Davenport, Iowa. 633 Park Ave, W., Waterloo, Iowa 315 Grace St., Dubuque, Iowa. 2225 Douglass St., Sloux City, Iowa 7363 Maple Blvd., Maplewood, Mo. Lawrence, Kans.	
GJ	Laughlin, Dale Lavender, Edwin N Lawrence High School. See	7363 Maple Blvd., Maplewood, Mo	1
	Lawrence High School. See	Lawrence, Kans.	
100	Riggs, H. C.	transfer of the property of the contract of th	

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#### NINTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
		838 Eugene St., Indianapolis, Ind Upper Falls Rd., Sheboygan, Wis 1306 Main St., Richmond, Ind 933 Galt Ave., Chicago, Ill 2119 N. Tripp Ave., Chicago, Ill 3112 Greenview Ave., Chicago, Ill 801 W. 7th St., Des Moines, Iowa 5100 Easton Ave., St. Louis, Mo. 1500 Main St., Racine, Wis 1243 W. Wood St., Decatur, Ill 136 W. Grand Ave., Beloit, Wis 6612 Lowe Ave., Chicago, Ill 774 S. Grant St., Denver, Colo 5038 Maple Ave., St. Louis, Mo. 2658 W. 39th Pl., Chicago, Ill 635 31st St., Milwaukee, Wis Monticello, Iowa 1323 W. 7th St., Waterloo, Iowa Casselton, N. Dak. Independence, Iowa	Kw.
9FD 9LX	Lawson, Parrvyn R Leberman, Palmer K	838 Eugene St., Indianapolis, Ind	0,
9EC	Lebo, Robert B	Upper Falls Kd., Sheboygan, Wis	1.0
9KC	Lee, David R.	933 Galt Ave. Chicago. III	1.0
9KC 9NQ	Lee, David R. Leininger, Clarence W	2119 N. Tripp Ave., Chicago, Ill	.5
9RO	Lethen, Edward. Lethen, Edward. Le Vine, George L Lewis, Hubert. Lewis, W. Turnor, jr. Lipe, Corodon C. Lipman, Theodore E. I. Liston, Earl	4312 Greenview Ave., Chicago, Ill	.5
9ADM	Le Vine, George L	801 W. 7th St., Des Moines, Iowa	1.0
9AAQ	Lewis, Hubert	5100 Easton Ave., St. Louis, Mo	1.0
9JC 9AII	Lewis, W. Turnor, Jr	1500 Main St., Racine, Wis	1.0
9A11	Lipman Theodore E I	136 W Grand Ave Beloit Wis	1.0
9LE	Lisle, Waldo E	6612 Lowe Ave., Chicago, Ill.	.5
9TH 9VE	Liston, Earl	774 S. Grant St., Denver, Colo	.5
9VE	Littmann, Edwin R	5038 Maple Ave., St. Louis, Mo	.5
9IJ	Liston, Earl Liston, Earl Littmann, Edwin R Lloyd, Norman W Lobas, John W Locher, Leo Lockwood, Charles E Lockhart, Ashton Locke Melvin W	2658 W. 39th Pl., Chicago, III	1.0 1.0 1.0
9GK 9DV	Lobas, John W	Monticelle Town	1.0
OOE ADA	Lockwood Charles E	1323 W 7th St. Waterloo Towa	1.0
$_{ m 9QF}$	Lockhart, Ashton	Casselton, N. Dak.	5
9IN	Locke, Melvin W Loosen, Irving R	Independence, Iowa	1.0
9IN 9AX	Loosen, Irving R	2609 Olive St., Kansas City, Mo	1.0
$9\mathrm{UC}$	Loveless, Harry L	137 Griffin Ave., Somerset, Ky	1.0
9SI	Lowe, Meredith B	2347 N. Delaware St., Indianapolis, Ind	1.0
9BX 9AIM	Mackley Harry A	Independence, Iowa 2609 Olive St., Kansas City, Mo 137 Griffin Ave., Somerset, Ky 2347 N. Delaware St., Indianapolis, Ind. 438 S. Quincy Ave., Kansas City, Mo 420 Dechman Ave., Peoria, Ill. 635 Vine St. Denyer, Colo.	1.0
9ADK	Locke, Melvin W Loosen, Irving R Loveless, Harry L Lowe, Meredith B Lutz, Clarence W A Mackley, Harry A Mackley, Harry A Madhain, Charles W Maibucher, Fred J Mallarian, Gregory Malott, Alfred F Mann, Harold L Markowski, Edward T Mase, Harold E Marshall, George Martens, Hugo Mason, Francis M Mr, Jr Mason, Leroy E Masters, Raymond Mathauser, James J Mathews, Ralph H Mathias, Russell E Mathiasen, Carl A Mathison, Michael C Matzinger, Philip F Maupin, Ross T Maxheld, David C Maxson, Rolland and Charles S May De Witt W	420 Deenman Ave., Feoria III. 635 Vine St., Denver, Colo. 2623 Indianapolis Ave., Indianapolis, Ind. 301 S. 13th St., Fargo, N. Dak 945 W. 30th St., Indianapolis, Ind. 1120 Smith St., Burlington, Iowa. 1468 N. Ashland Ave., Chicago, III. 3335 Hennepin Ave., Minneapolis, Minn. 9445 S. Lawrence Ave. Wichita Kans.	.5
9RN	Maibucher, Fred J	2623 Indianapolis Ave., Indianapolis, Ind	.5
9GP	Mallarian, Gregory	301 S. 13th St., Fargo, N. Dak	1.0
9DW	Malott, Alfred F	945 W. 30th St., Indianapolis, Ind	.5
9QP 9KA	Mann, Harold L	1120 Smith St., Burlington, 10wa	.0
9AHD	Mase Harold E	3335 Hennepin Ave., Minneapolis, Minn	1.0
9AER	Marshall, George	2045 S. Lawrence Ave., Wichita, Kans. 2015 Gaines St., Davenport, Iowa. 9 N. Chicago St., Rossville, Ill	.5 .5
9AG	Martens, Hugo	2015 Gaines St., Davenport, Iowa	.5
9LZ	Mason, Francis M., jr	9 N. Chicago St., Rossville, Ill	. 5
9VQ 9RT	Mason, Leroy E	Alden, Minn  2406 Wabash Ave., Kansas City, Mo.  1943 W. Garfield Blvd., Chicago, Ill.  1316 Carmen Ave., Chicago, Ill.  2509 Bellefontaine St., Indianapolis, Ind.  Onawa, Iowa.	.5
9RT 9RE	Masters, Raymond	1042 W. Corfold Plyd. Chicago, Ill	.5
9IK	Mathews Ralph H G	1316 Carmen Ave. Chicago, Ill	1.0
9KK	Mathias, Russell E	2509 Bellefontaine St., Indianapolis, Ind.	.5
9AAZ	Mathiasen, Carl A	Onawa, Iowa	.5
9AAJ	Mathison, Michael C	Onawa, Iowa Glen Ellyn, Ill 1956 W. 94th St., Chicago, Ill 2436 Indiana St., Kansas City, Mo. Le Roy, Minn Milton, Wis	.5
9AEY	Matzinger, Philip F	1956 W. 94th St., Chicago, III.	.5
9CO	Maupin, Ross T	Le Poy Minn	1.0
9CO 9PJ 9SP	Maxson Rolland and Charles	Milton Wis	1.0
	S.	marrous, 11 ab.	1.0
9UH 9PO 9MN	S. May, De Witt W. May, Howard L. Maynard, P. Neff McBride, Ralph M. McCall, John A. McCarthery, Hugh S. McClintock, William S., jr. McCoy, James B. McCune, George H. McDonald, Edgar J. McGee, Paul J.	3021 Hoagland Ave., Ft. Wayne, Ind. Buckingham Annex, St. Louis, Mo. 208 W. 7th St., Boone, Iowa. Tabor, Iowa. Crystal Lake, Ill 227 E. Jefferson St., Washington, Iowa 1257 Topeka Ave., Topeka, Kans. 3026 N. New Jersey St., Indianapolis, Ind. 1445 N. Edward St., Decatur, Ill 5526 Lakewood Ave., Chicago, Ill 2609 Richmond Ave., Mattoon, Ill. 4418 Wabash Ave., Chicago, Ill. Public School Bldg., Aurora, Ill.	.5
9PO	May, Howard L	Buckingham Annex, St. Louis, Mo	.5
9MN	Maynard, P. Neff	208 W. 7th St., Boone, Iowa	1.0
9BO 9RR	McCall John A	Crystal Laka III	.5
9RG	McCartney, Hugh S	227 E. Jefferson St., Washington, Iowa.	1.0
9MD	McClintock, William S., jr	1257 Topeka Ave., Topeka, Kans	1.0
9RJ	McCoy, James B	3026 N. New Jersey St., Indianapolis, Ind	1.0
9AIR	McCune, George H	1445 N. Edward St., Decatur, Ill	.5
9ADZ 9AE	McDonald, Edgar J	5526 Lakewood Ave., Chicago, III.	.5
9AC	McGuffage William I	4418 Wabash Ave Chicago III	1.0
9RY	McGuire, Donald D.	Public School Bldg., Aurora, Ill.	1.0
9GE	McKee, Myron J	2213 N. New Jersey St., Indianapolis, Ind	1.0
90T 9WP	McKee, Charles R	203 N. 2d St., Atchison, Kans	1.0
9WP	McKee er, Thomas	1703 W. 104th Pl., Chicago, III	1.0
9ER 9EO	McGee, Paul J. McGuffage, William J. McGuire, Donald D. McKee, Myron J. McKee, Charles R. McKee er, Thomas. McLoad, Kenneth. McNeill, Malcom R.	1310 Manla Ava Evanston III	1.0
9ACK	ar o 'w' T I D	1815 N. 6th St., Sheboygan, Wis	.5
9KG	Melcher, John M	Wautoma, Wis	.5
9KG 9ADD	Meldrum, George E	4418 Wabash Ave., Chicago, III. Public School Bidg, Aurora, III. 2213 N. New Jersey St., Indianapolis, Ind 203 N. 2d St., Atchison, Kans. 1703 W. 104th Pl., Chicago, III. 1717 S. Jefferson Ave., St. Louis, Mo. 1310 Maple Ave., Evanston, III. 1815 N. 6th St., Sheboygan, Wis Wautoma, Wis Carrollton, III. Staunton III.	.5
9VV	Messerly, Henry	Staunton, Ill	1.0
9AGK	Messing, Marvin M	2/ Shatter St., Freeport, III	1.0
9QZ 9RS	Meyer Walter A	1832 N 13th St Shehovgan Wis	1.0
9MC	McQuilkin, Joseph R. Melcher, John M. Meldrum, George E. Messerly, Henry Messing, Marvin M. Meyer, Otto Meyer, Walter A. Michaels, John J. Miller Carmi E.	1352 Komensky St., Chicago, Ill	. 5
9AIZ	Miller, Carmi E	Carrollton, III.  Staunton, III.  27 Shaffer St., Freeport, III.  1109 St. Clair Ave., East St. Louis, Mo.  1832 N. 13th St., Sheboygan, Wis.  1352 Komensky St., Chicago, III.  217-219 E. St. Paul St., Spring Valley, III.  2856 N. Racine Ave., Chicago, III.  4625 N. Hermitage Ave, Chicago, III.	.5 .5 .5 .5
9AEM	Miller, Carmi E. Miller, Charles, jr. Miller, F. Leslie.	2856 N. Racine Ave., Chicago, Ill	. 5
9AEK			

# NINTH DISTRICT—Continued.

Call ignal.	Owner of station.	Location of station.	Powe
			Kw.
JR	Miller, Harry F	1024 E. 14th St., Davenport, Iowa. 670 Rush St., Chicago, Ill. Osceola, Ind. 317 S. Franklin St., Decatur, Ill. 2815 Clyburn St., Milwaukee, Wis. 661 Grand Ave., St. Paul, Minn. 2853 Fowler Ave. Omaha, Nebr	1
KR	Miller, John F	670 Rush St., Chicago, Ill	1
VJ FH	Miller, John F	Osceola, Ind	
FH		317 S. Franklin St., Decatur, Ill	
TN	Mirgeler, Robert J. Moen, Vere M. Mole, Harry H. Moore, William M. Moreland, Henry F. Morgan, Berwyn E. Morrison, Francis S.	2815 Clyburn St., Milwaukee, Wis	
CD	Moen, Vere M	661 Grand Ave., St. Paul, Minn	
AAV	Mole, Harry H	2853 Fowler Ave., Omaha, Nebr	1
MH	Moore, William M	2893 FOWIER AVE., Offinant, Neof. 3102 N. Capitol Ave., Indianapolis, Ind 1009 Washington Ave., Cairo, Ill 506 E. Cherry St., Watseka, Ill. 1376 S. Lincoln St., Denver, Colo.	
FW	Moreland, Henry F	1009 Washington Ave., Cairo, III	
GS	Morgan, Berwyn E	506 E. Cherry St., Watseka, III	
$_{ m TI}^{ m MW}$	Morrison, Francis S.  Morshead, John S.  Morton, Charles E.  Morton, Clyde E.	1376 S. Lincoln St., Denver, Colo. Culver, Ind. 520 Schwartz St., Edwardsville, Ill. 341 S. Lawn Ave., Kansas City, Mo. 1021 S. York St., Denver, Colo. 2421 N. Sawyer Ave., Chicago, Ill. 2046 N. New Jersey St., Indianapolis, Ind. Amboy. Ind.	
AIH -	Morton Charles E	520 Schwartz St. Edwardsville III	
AJD	Morton Clyde E	341 S. Lawn Ave. Kansas City. Mo	
NK	Moss Frank K	1021 S. York St., Denver, Colo	-
EE	Moss, Frank K	2421 N. Sawyer Ave., Chicago, Ill.	
BJ	Munchhof, Leo G. Myers, Delbert Myers, Wilford U	2046 N. New Jersey St., Indianapolis, Ind	
BE	Myers, Delbert	Amboy, Ind	
ABU	Myers, Wilford U	209 N. 3d St., Charleston, Mo	
BB	Nattenheimer, Ervin B	559 Lexington Ave., Newport, Ky	
AAH	Neidlinger, Laurence C	3322 Northwestern Ave., Indianapolis, Ind	
$_{ m BH}$	Nattenheimer, Ervin B. Neidlinger, Laurence C. Neitz, Paul I Nell, Edward, jr. Nell, Raymond B. Nelson, Carl H. Nelson, Garl H. Nelson, Lee M. Nelson, M. E. Nestlerode, Boyd W.	209 N. od St., Charleston, Mo. 559 Lexington Ave., Newport, Ky. 3322 Northwestern Ave., Indianapolis, Ind. 137 Brainerd St., Naperville, Ill. 2023 Talbott St., Indianapolis, Ind.	
IP	Nell, Edward, jr	2023 Talbott St., Indianapolis, Ind	
AJ	Nell, Raymond B	Clinton, 10wa	
RQ	Nelson, C. Adolph	5518 W 8th St Duluth Minn	
AHI ADJ	Nelson Lee M	Saward Nahr	
AEW	Nelson M E.	731 3d St. N. Fargo N. Dak	
OG"	Nestlerode Boyd W	701 Pierce St., Sioux City, Iowa	
MT	Nestlerode, Boyd W Neumann, Clarence F	1523 S. Ogden St., Denver, Colo	
ŪĴ	Neumann, Adelbert G. Nevling, Lorin I. Newhall, Elwood L. Newlin, Myron.	1616 Wells St., Milwaukee, Wis	
AFG	Nevling, Lorin I	4240 Maffitt Ave., St. Louis, Mo	
AFG TL	Newhall, Elwood L	2181 Madison Ave., Covington, Ky	
AAL	Newlin, Myron	2712 Indianapolis Ave., Indianapolis, Ind	
AW	Niswonger, Elbert E	R. F. D. No. 8, Fort Wayne, Ind	
WB	Niswonger, Elbert E. Nolan, Guy P. Nolte, Edward F. Norene, Raymond E.	2023 Talbott St., Indianapolis, Ind Clinton, Iowa 723 N. Ist St., Fargo, N. Dak 5518 W. 8th St., Duluth, Minn Seward, Nebr 731 3d St. N., Fargo, N. Dak 701 Pierce St., Sioux City, Iowa 1523 S. Ogden St., Denver, Colo 1616 Wells St., Milwaukee, Wis 4240 Maffitt Ave., St. Louis, Mo. 2181 Madison Ave., Covington, Ky 2712 Indianapolis Ave., Indianapolis, Ind R. F. D. No. 8, Fort Wayne, Ind 506 Ewing Ave., Kansas City, Mo. 4955-A Terry Ave., St. Louis, Mo. 2425 Avenue A, Council Bluifs, Iowa 521 Jackson St., Anderson, Ind.	
SJ	Nolte, Edward F	4955-A Terry Ave., St. Louis, Mo.	
CA	Norene, Raymond E	2425 Avenue A, Council Bluis, 10wa	
RK	Norviel, Herbert D	4021 S Comphell Ave Chicago Ill	
MG	Novak, Joe J	935 W 33d Ter Kansas City Mo	1
QN AF	O'Connell John B	6218 Ellis Ave. Chicago, Ill.	
AEG	Oberholtz, Edwin F. O'Connell, John B. O'Donnell, Wert	1222 W. 30th St., Indianapolis, Ind	
FK		Williams Bay, Wis	
IS	Olmsted, Randolph F	517 S. 4th St., Grand Forks, N. Dak	
AEL	Olsen, Clarence J. M	349 St. John's Court, Chicago, Ill	
AEL	Olsen, Winnard G	1454 Pensacola Ave., Chicago, Ill	
DK	Olmsted, Randolph F. Olsen, Clarence J. M. Olsen, Winnard G. O'Neil, Donald H. C. Oonk, William J. C.	2425 Avenue A, Council Bluffs, Iowa 521 Jackson St., Anderson, Ind. 4031 S. Campbell Ave., Chicago, Ill. 935 W. 33d Ter., Kansas City, Mo. 6218 Ellis Ave., Chicago, Ill. 1222 W. 30th St., Indianapolis, Ind. Williams Bay, Wis. 517 S. 4th St., Grand Forks, N. Dak 349 St. John's Court, Chicago, Ill. 1454 Pensacola Ave., Chicago, Ill. 5740 Bartmer Ave., St. Louis, Mo. 2232-A Red Bud Ave., St. Louis, Mo. 2332-A Red Bud Ave., St. Louis, Mo. 2332-A Ned Sud Ave., Chicago, Ill. 529 W. Jefferson St., Springfield, Ill. 2135 S. New Jersey St., Indianapolis, Ind. Aneta, N. Dak.	
AAF	Oonk, William J. C	2232-A Red Bud Ave., St. Louis, Mo	
TT	Ort, Henry M	3934 MODUFOSO AVO., Unicago, III.	
TV UB	Ostermeier, Cecil H	2125 G New Jersey St. Indianapolis Ind	
AHS	Osting, Raymond	Aneta, N. Dak	1
UP	Ovrebo, Paul Paetzold, William H	4202 Farlin Ave., St. Louis, Mo	
WG	Parks, Paul B	339 Ashland Ave., River Forest, Ill.	
WG TA WS	Parnin, Ross	1239 W. Berry St., Ft. Wayne, Ind	
WS	Parnin, Ross Patterson, Coy V	3528 Windsor Ave., Kansas City, Mo	
DB	Panst Lawrence R	304 E. North St., Whitewater, Wis	
AHG	Payne, Howard	1201 N. 27th St., Omaha, Nebr	
FB	Pearce, William W., jr	538 Steele Court, Waukegan, Ill	
AAN	Payne, Howard Pearce, William W., jr Pecha, J. D Peck, Earle M.	2331 S. Avers Ave., Chicago, III	1
PW	Peck, Earle M	204 N. State St., Elgin, III.	
HO	Pentland, Robert L	2046 The Perce Kenner City Mo	
LO	Pentland, Robert L Perkins, Albert. Perl, Raymond H	2523 N Richmond St. Chicago III	
BL	Perl, Raymond H	825 Lake Ave Racine Wis	
NU	Peterson Howard E	1424 E. 70th St. Chicago, Ill.	
QQ0	Petersen Walter	4607-A Natural Bridge Ave., St. Louis, Mo.,	
HW	Peterson, Oscar W	705 W. Bancroft Ave., Fergus Falls, Minn	
ABW	Pfeiler, Lawrence	1810 N. 5th St., Sheboygan, Wis	
9ABW 9ACW	Pfister, Walter	516 Erie Ave., Sheboygan, Wis	
9NX	Phelps, Clyde W	1032 Benton St., Rockford, Ill	
9NC	Perry, William N. Petersen, Howard E. Petersen, Walter Peterson, Oscar W. Pfeiler, Lawrence. Pfister, Walter Phelps, Clyde W. Phillipps, H. G. Phillips, H. Leroy. Pickett, Chester H.	213 S. New Jersey St., Indianapolis, Ind. Aneta, N. Dak. 4202 Farlin Ave., St. Louis, Mo 339 Ashland Ave., River Forest, Ill. 1239 W. Berry St., Ft. Wayne, Ind. 3528 Windsor Ave., Kansas City, Mo 304 E. North St., Whitewater, Wis. 1201 N. 27th St., Omaha, Nebr. 538 Steele Court, Waukegan, Ill. 2331 S. Avers Ave., Chicago, Ill. 204 N. State St., Elgin, Ill. 5225 Woodlawn Ave., Chicago, Ill. 3946 The Paseo, Kansas City, Mo. 2533 N. Richmond St., Chicago, Ill. 4807-A Natural Bridge Ave., St. Louis, Mo. 705 W. Bancroft Ave., Fergus Falls, Minn. 1810 N. 5th St., Sheboygan, Wis. 1032 Benton St., Rockford, Ill. 210 Sheridan Rd., Hubbard Woods, Ill. Lucca, N. Dak.	
9AFR 9OZ	Phillips, Claude B	Lucca, N. Dak. 1342 11th St., Des Moines, Iowa 223 Maple Ave., Waukesha, Wis.	
		1242 11th St. Doc Moines Lows	1

# NINTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Kw.
9EV 9CC 9PY	Piersol, Myron D Pierson, Martin Pierson, Stuart W	4546 N. Seeley Ave., Chicago, Ill. Williams Bay, Wis. 214 Maple Ave., Carrollton, Ill. 710 S. 19th St., St. Joseph, Mo.	1.
9CC	Pierson, Martin	Williams Bay, Wis	150
PY	Pierson, Stuart W	214 Maple Ave., Carrollton, Ill	
HU	Pilgram, George W. and John	710 S. 19th St., St. Joseph, Mo.  101 N. Pleasant St., Independence, Mo. 2444 N. Alabama St., Indianapolis, Ind 929 W. Governor St., Springfield, Ill 675 Greenwood Ave., Glencoe, Ill 402 N. 61st St., Chicago, Ill 602 Cudahy Ave., Cudahy, Wis 463 10th Ave., Milwaukee, Wis 5t. Louis, Mo. 212 E. 9th St., Newport, Ky. 402 Greenwood Ave., Chicago, Ill. 703 25th St., Milwaukee, Wis. 935 N. Trumbull Ave., Chicago, Ill. 523 Garfield Ave., Kansas City, Mo. 626 W. Macon St., Decatur, Ill 316 W. 5th Ave., Cresco, Iowa. 2500 Grand Ave., Des Moines, Iowa. 728 Chestnut St., Grand Forks, N. Dak 2705 Highland Pl., Indianapolis, Ind 1314 Cedar St., Le Mars, Iowa. 1102 N. 3d St., Kansas City, Kans 543 Everett Ave., Kansas City, Kans 3312 Larimore St., Omaha, Nebr. 3811 S. 10th Ave., Minneapolis, Minn Indianola Rd., Des Moines, Iowa 2508 Ames Ave., Omaha, Nebr. 5711 Blackstone Ave., Chicago, Ill 237 South St., Lawrence, Kans 4424 St. John St., Kansas City, Kans 1130 Wisconsin St., Racine, Wis 5921 Winthrop Ave., Chicago, Ill Pillsbury Academy, Owatonna, Minn. 100 Ill	127
OL	Plank, George A., jr	101 N. Pleasant St., Independence, Mo	1.
LL	Plank, George A., jr Plummer, Evans E	2444 N. Alabama St., Indianapolis, Ind	1 00
GT	Pollard, Lynn	929 W. Governor St., Springfield, Ill	
AD	Pope, Franklin R	402 N 61st St Chicago III	1
TY OAD OUR	Porwancher, Samuel	602 Cudahy Ave., Cudahy, Wis.	1
HD	Prahl, Louis	463 10th Ave., Milwaukee, Wis	1
AHN	Principia School.	St. Louis, Mo.	1
FM	Principia School. Preuss, Arthur C. Price, Gerald. Putz, Anton E. Pye, Harold. Ragan, Tate V. Ranson, Richard R. Rathert, Will P. Rawson, A. Cummins. Read. Harry.	4402 Greenwood Ave. Chicago III	
NB JM	Putz. Anton E	703 25th St., Milwaukee, Wis	
OU	Pye, Harold	935 N. Trumbull Ave., Chicago, Ill	1
OCS	Ragan, Tate V	523 Garfield Ave., Kansas City, Mo	1
PH KD	Ranson, Richard R	626 W. Macon St., Decatur, III	1
SB	Rawson, A. Cummins	2500 Grand Ave., Des Moines, Towa	1
GC	Read, Harry	728 Chestnut St., Grand Forks, N. Dak	1
IG	Reeder, Vera K	2705 Highland Pl., Indianapolis, Ind	1
AGJ FO	Read, Harry Reeder, Vern K Rees, John C Rehm, Ralph E Reichenecker, Frenk N	1314 Cedar St., Le Mars, Iowa	1
LA	Reichenecker, Frank N	543 Everett Ave., Kansas City, Kans	
LA BW	Reichenecker, Frank N. Reinhardt, William Reynolds, William D., jr. Rhea, Robin E.	3312 Larimore St., Omaha, Nebr	1
HW	Reynolds, William D., jr	3811 S. 10th Ave., Minneapolis, Minn.	- 1
BQ	Rhea, Robin E	Indianola Rd., Des Moines, Iowa	1
AEQ OV	Richards, John	5711 Blackstone Ave. Chicago, Ill	
VW	Riedy, Walter L	237 South St., Houghton, Mich	
GR	Riedy, Walter L. Riggs, H. C. Riley, Wilson M. Ritter, William H.	845 Kentucky St., Lawrence, Kans	1
NE NS	Riley, Wilson M	2748 N 22d St Kansas City, Mo	1
ND	Roberts, Mason C	1130 Wisconsin St., Racine, Wis	1
GW ADX	Rock, Burnham S. Roe, Vancil V. Roth, Henry, jr	5921 Winthrop Ave., Chicago, Ill	1
ADX	Roe, Vancil V	Pillsbury Academy, Owatonna, Minn	1
MR ST	Roth, John	Polo, Ill	1
AT	Rueschau, Harry R. Rufsvold, Arnold S. Russell, Wolfert D.	1827 John Ave., Superior, Wis 3748 Clifton Ave., Chicago, Ill. 3216 16th Ave. S., Minneapolis, Minn 5701 Clemens Ave., St. Louis, Mo	1
ADI	Rufsvold, Arnold S	3216 16th Ave. S., Minneapolis, Minn	
AAE	Russell, Wollert D	Cosov. Jove	
sv	Rutt, Burnice L	10   10   10   10   10   10   10   10	
Fİ	Salisbury, Hubbard H Saltmarsh, Eugene P	1703 Banks Ave., Superior, Wis	1
RL	Saltmarsh, Eugene P	1215 Newman St., Indianapolis, Ind	1
OP KV	Sandifer, Robert P.	800 N. Temple Ave. Indiananolis Ind	
DT	Sauer, August Schaf, J. Charles, jr Schalkhausser, Erich G.	1410 N. Delaware St., Indianapolis, Ind	1
AHO	Schalkhausser, Erich G	Sterling, Nebr	1
MX	Schiller, RoySchlegel, Alfred	Sterling, Nebr 1216 Hammond Ave., Superior, Wis 222 S. Francis St., South Bend, Ind Moundredge, Kans. 4310 Emmet St., Omaha, Nebr 1917 Warner Ave., Chicago, Ill 517 Washington Court, Sheboygan, Wis R. F. D. No. 6, Rockingham, Iowa 932 Spaight St., Madison, Wis Oregon, Mo 2864 Ames Ave., Omaha, Nebr	1
AEF LM	Schowalter Elmer R	Moundredge Kans	1
SE	Schowalter, Elmer R. Schmidt, Otto G. Schoenwolf, Fred L. H.	4310 Emmet St., Omaha, Nebr	i
AJN	Schoenwolf, Fred L. H	1917 Warner Ave., Chicago, Ill	1
SS	Schrage, Charles T	517 Washington Court, Sheboygan, Wis	1
$\frac{IR}{JZ}$	Schricker, J. Raymond Schubert, Clarence K. F. Schulte, Herman	932 Spaight St., Madison, Wis	
FC	Schulte, Herman	Oregon, Mo	1
AAX	Schulze, A. N. Scott, M. Vernon.	2864 Ames Ave., Omaha, Nebr	
KW	Scott, M. Vernon Scoven, Paul	2428 Belleiontaine St., Indianapolis, Ind	
BY VH	Scribner, Elmer B	1111 S. 16th St., Sheboygan, Wis.	
VH DZ	Scribner, Elmer B. Seaman, Walter A. Sears, Charles L. Seese, Thomas G. Sels, Hollis K. Seymour, Charles E.	734 Christiana Ave., Chicago, Ill	1
DN	Sears, Charles L	1322 Bayard Ave., St. Louis, Mo.	1
SU IT	Sels Hollis K	131 Hyland Ave. Ames Town	1
AGR	Seymour, Charles E	828 Astor St., Milwaukee, Wis	100
00	Semmelmeyer, Herbert	2629 W. Fairfield Ave., Chicago, Ill	1
GH	Sever, Harold C	Pleasant Plains, Ill.	
ACE	Shanks, Charles E	2660 Sutton Ave., Maplewood, Mo	1
BG ABO	Seymour, Charles E. Semmelmeyer, Herbert. Sever, Harold C. Shanks, Charles E. Shepherd, Don I. Shephard, Floyd P. Skiol Morrill	Oregon, Mo. 2864 Ames Ave., Omaha, Nebr 2428 Bellefontaine St., Indianapolis, Ind 327 Park Ave., Kokomo, Ind. 1111 S. 16th St., Sheboygan, Wis 734 Christiana Ave., Chicago, Ill 1322 Bayard Ave., St. Louis, Mo. 4355 N. Ashland Ave., Chicago, Ill 131 Hyland Ave., Ames, Iowa 282 Astor St., Milwaukee, Wis 2629 W. Fairfield Ave., Chicago, Ill 2660 Sutton Ave., Maplewood, Mo. 316 N. West St., St. John, Kans 936 Center St., Racine, Wis. 433 S. Warman Ave., Indianapolis, Ind. Cameron, Mo.	}
MI	Shiel, Merrill	The state of the s	

# NINTH DISTRICT—Continued.

Call ignal.	Owner of station.	Location of station.	Powe
			Kw.
EF	Shotwell, Harold H	446 61st Pl. Chicago, Ill.	1.
AGT	Shriner, Ralph L	4236 Juniata St., St. Louis, Mo.,	-
AGI VA	Siegert, Walter	1250 W. 97th Pl., Chicago, Ill	
EY	Shriner, Ralph L	318 Locust St., Elgin, Ill	1
Y	Singleton, Paul G	3161 Kenwood Ave., Indianapolis, Ind	
AQ	Singleton, Paul G Skrainka, Walter and Nich- olas.	446 61st Pl., Chicago, Ill	
AAD	Slentz, Daniel R. Smith, H. Merrill. Smith, Joe L. Smith, Lester M. Smith, Nathaniel C. Smith, Nathaniel C.	305 Douglas St., Fort Wayne, Ind. 4454 W. Monroe St., Chicago, Ill. 109 N. Highland St., Chanute, Kans	
X	Smith, H. Merrill	100 M. Highland St., Chicago, III	
UN	Smith, Joe L	Salem, Wis.	
AIT	Smith Nathanial C	012 N Glen Oak Ave Peoria III	
ABG	Smith Noble	1329 Brook St., Louisville, Kv.	
BR	Smith, Raymond J	1836 Villa St., Racine, Wis	
WW	Smith, Raymond L	3005 Fulton St., Chicago, Ill	1
WW WM	Smith, Stanley	1552 E. 61st St., Chicago, Ill	
M	Smith, Wallace W	13 Eastover Park, Louisville, Ky	1
FX	Smith, Wilson S	219 Rome Ave., Rockford, Ill	
VZ	Smith, Nathaniel C Smith, Noble	10	١.
AHM	Snoke, Kenneth F	511 E. loth St., Davenport, Iowa	1
IK	Snyder, William U	2538 N Talbott Ava Indiagapolis Ind	
II	Sommer, James M	1398 Brook St. Louisville Kv	
ADS EI	Spalding, John G. Spaniol, John T. Sparks, Charles H.	1324 Harrison St., Superior, Wis	1
LT	Sparks Charles H	5431 Bartmer St., St. Louis, Mo	
AIG		5431 Bartmer St., St. Louis, Mo. Sandwich, Ill. Magnolia, Ill. 600 Wing leld St., Anoka, Minn.	
LJ	Spencer, Alvin C. Spencer, Earle W. Spencer, Levi Sprackling, George A. Stang, Ray E.	Magnolia, Ill	
00	Spencer, Earle W	600 Wingfield St., Anoka, Minn	1
QQ KP	Spencer, Levi	Gilman, Ill	
AFI	Sprackling, George A	602 Milwaukee Ave., Janesville, Wis	
PE	Stang, Ray E	600 Wing leid St., Anoka, Minn Gilman, Ill. 602 Milwaukee Ave., Janesville, Wis. 1305 Main St., Le Mars, Iowa. 1416 N. Hillside Ave., Wichita, Kans. 211 Hicks Ave., Columbia, Mo. 319 Harrison St., Marquette, Mich. 333 35th St. Milwaukee Wis.	
ADP	Stanley, Charles A	1416 N. Hillside Ave., Wichita, Kans	1
HX	Stanley, Charles A Stewart, Lawrence W St. Cyr, Albert	211 Hicks Ave., Columbia, Mo	
HK	St. Cyr, Albert	022 25th St Milwankee Wis	
SX	Steinberg, Alfred F. Stevens, Kenneth Stevers, Harold D.	319 Harrison St., Marquette, Mich 333 35th St., Milwaukee, Wis 2032 N. 7th St., Shebovgan, Wis 6804 Hurlbut Ave., Chicago, Ill. 801 Harrison St., Topeka, Kans 717 Douglas Ave., Elgin, Ill 5129 Harper Ave., Chicago, Ill. Marengo, Iowa Polo, Ill	
HP OX	Stavers Harold D	6804 Hurlbut Ave., Chicago, Ill.	
RZ	Stone, Francis E	801 Harrison St., Topeka, Kans	
AA	Stone, Richard G	717 Douglas Ave., Elgin, Ill	5.
LH	Stone, Richard GStone, J. McW	5129 Harper Ave., Chicago, Ill	
LP	Stover Peter A	Marengo, Iowa	-
UY	Strock, Reeve O	Polo, Ill.	
WJ	Strock, Reeve O Struver, Harold W Sutcliffe, Ewart L	1218 Lafayette St., Ft. Wayne, Ind	
SL	Sutcliffe, Ewart L	308 Kearsarge St., Laurium, Mich 1411 Harrison St., Topeka, Kans 2828 Highland Pl., Indianapolis, Ind. 7110 Cottage Grove Ave., Chicago, Ill.	
DG	Sutherland, Kenneth L	1411 Harrison St., Topeka, Kans	
AFM	Swain, Raymond E	7110 Cottage Grove Ave. Chicago. Ill	
ID AFN	Swanson, Čarl S Swanson, Martin	1900 Western Ave., Minneapolis, Minn.	
OCB	Tafel Electric Co., Inc., H. C.	236 W. Jefferson St., Louisville, Ky	
IH	Talbott, Edward	1114 W. 34th St., Indianapolis, Ind	
PZ	Tallentire Thomas	458 Foote Ave., Bellevue, Ky	-
HJ	Taylor, Forrest	Monroeville, Ind.	-
GB FN	Taylor, Forrest	MonroevIIIe, Ind. 6638 Kenmore Ave., Chicago, Ill. 7641 South Shore Drive, Chicago, Ill. High School, Devils Lake, N. Dak Hagerstown, Ind. 202 Prospect Ave., Stoughton, Wis. 520 Schwartz St., Edwardsville, Ill. 310 Polk St. Topeka, Kans	-
FN	Taynton, Mark	7641 South Shore Drive, Chicago, III	
D.Ta	Tool Paul H	High School, Devils Lake, N. Dak	
9JV	Teetor, Macy O Terry, Owen R. Terry, James W	202 Prospect Ave. Stoughton, Wis	
9HQ 9AIH	Terry James W	520 Schwartz St., Edwardsville, Ill.	1
9QV	Thacher Safford D	310 Polk St., Topeka, Kans	
9ON	Thacher, Safford D Thielens, Wagner P	310 Polk St., Topeka, Kans. Y. M. C. A. Bldg., South Bend, Ind.	-
9ED	The David Ranken, ir.,		1
	The David Ranken, jr., School of Mechanical Trades Theisen, Peter J.	4420 Cook Ave., St. Louis, Mo.	
0.135	Trades	4420 Cook Ave., St. Louis, Mo. 3413 Meade St., Denver, Colo. 746 16th St., Milwaukee, Wis R. F. D. No. 15, Amboy, Ind. 3019 Locust St., St. Joseph, Mo.	
9AM 9WK	Thomas Carroll W	746 16th St. Milwaukee, Wis	
9RU	Thomas Herschel	R. F. D. No. 15, Amboy, Ind	-
90R	Theisen, Peter J. Thomas, Carroll W. Thomas, Herschel. Thomas, Martin N. Throop, Fred I. Tinling, Ted R. G. Todd, J. Richard. Todd, Leonard.	3019 Locust St., St. Joseph, Mo	
9BM	Throon Fred I	Gilman, Ill.	
9TS	Tinling, Ted R. G.	6042 Kenwood Ave., Chicago, Ill	
9AAW	Todd, J. Richard	Louisville, Ill	
9ABK	Todd, Leonard	2269-A Red Bud Ave., St. Louis, Mo	-
9EB	Mamonn Owville D	P F D No 1 Ellsworth Wis	
9BK	Trier, Paul W. Tronske, Anthony.		
9IU	Tronske, Anthony	Neidringhouse Bldg., Granite City, Ill 1254 Van Buren St., Topeka, Kans. 111 N. Topping Ave., Kansas City, Mo	-
9JW	Trump, Robert K Tylekens, Lucas, jr		-

# NINTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
9QK	Tuckerman, Gustavus, jr	5851 Pennsylvania Ave., St. Louis, Mo	0.
9TR	Turner, Orville H	4534 McMillan Ave., St. Louis, Mo	1.0
9EW	Vander Veer, Guy E	1246 W. Randolph St., Chicago, Ill.	
9SM	Vander Veer, Guy E Van Hook, Valens Van Slyck, Wellington	127 Clay St., Topeka, Kans	
9BV	Van Slyck, Wellington	836 Main St., Lake Geneva, Wis	
9AEE	Varner, Lindsay I	Odessa, Mo	
9QY 9OF	Vehling, RobertVollmar, Harold V	622 N. Rural St., Indianapolis, Ind 909 Wall St., Milwaukee, Wis	
90F	Vollmar, Harold V	909 Wall St., Milwaukee, Wis	
9PP	Voss, Lucien L	2679 Lincoln Ave., Chicago, Ill.	
9AIB	Wahn, Harry	4946 N. Hoyne Ave., Chicago, Ill	
9GO	Wagner, William D Wales, Frank S	123 W. 4th St., Duluth, Minn	!
9ES 9FA	Walker, Lloyd A	Polo, Ill	
9ADR	Wallace William A	Brush Colo	1.0
9ADR 9AY	Wallace, William A Ward, Lloyd S	1227 Chestnut St. Rockford III	1.0
9AEX	Wareing, Thomas	2615 Seminary Ave., Chicago, Ill.	.5
9JT	Wareing, Thomas	402 Washington Ave., Cairo, Ill.	
9CU	Watkins, Edwin S	5245 Magnolia Ave., Chicago, Ill.	1.0
9JA	Watkins, Edwin S Watson, Noble B	Brush, Colo  1227 Chestnut St., Rockford, Ill  2615 Seminary Ave., Chicago, Ill  402 Washington Ave., Cairo, Ill  5245 Magnolia Ave., Chicago, Ill  204 N. Hamilton Ave., Indianapolis, Ind	1.0
9DO	Weber, Anthony L	1302 Willond Ave., Chicago, Ill	
9GL	Weber John O	646 31st St. Des Moines Iowa	.5
9PL	Weilepp, Paul F	631 W. Prairie Ave., Decatur, Ill.	. 5
98K	Weitz, Rudolph W		1.0
9IS	Wendell, Raymond B	908 Clark St., Evanston, Ill.	. 5
9AAB	West, Paul H	631 Harrison St., Gary, Ind. 1729 Quindaro Blvd., Kansas City, Kans.	1.0
9QC	Wheeler, Ted R	1040 N. Leclaire Ave., Chicago, Ill	1.0
9LB	Whitaker, Ralph S	1825 S. Washington St., Denver, Colo	1.0
9ADU 9AFK	Whitcomb, Donald L	406 N. Lawndale St., Kansas City, Mo	
9HB	White, Elliott A	903 Lake St., Columbia, Mo	1.0
9JH	White H S M	1523 Jackson St., Sioux City, Iowa	1.0
9GQ	Wiggin, Parker E. Wigton, Theron W. Wilcox, Charles W.	1523 Jackson St., Sioux City, Iowa 737 Waverly Ave., Kansas City, Kans	.5
9UA	Wigton, Theron W	27 N. Anderson St., Aurora, Ill. 427 S. Brighton St., Kansas City, Mo.	.5
9IE	Wilcox, Charles W	427 S. Brighton St., Kansas City, Mo	
9PU	Wilhelmy, Lino M	427 S. Brighton St., Kansas City, Mo. 418 S. Main St., Decatur, III. 415 W. Park Ave., Angola, Ind. 1424 N. 29th St., Kansas City, Kans. 4300 South St., Lincoln, Nebr. 525 N. Emporia Ave., Wichita, Kans. 707 Garden St., Kenosha, Wis. 515 Central St., Chanute, Kans. 2419 S. Calhoun St., Ft. Wayne, Ind. 115-117 N. Vermillion St., Streator, III. 610 N. Grove Ave. Oak Park III.	1.0
9KH	Wilcox, Leo B	415 W. Park Ave., Angola, Ind	1.0
9FF	Wilkerson, Wilbur P	1424 N. 29th St., Kansas City, Kans	1.0
9AHR	Williams, Ashley	4300 South St., Lincoln, Nebr	.5
9AGT	Williams, Crean V	707 Cordon St. Vonosha Wis	1.0
9JP	Williams, Harry B	515 Control St., Kellosha, Wis.	1.0
9PN 9SY	Williams, Morton B	2410 S. Calhoun St. Ft. Wayne Ind	1.0
9RA	Williams, Norman B	115-117 N. Vermillion St., Streator, Ill.	1.0
9NZ	Willing, William P	610 N. Grove Ave., Oak Park, Ill	1.0
9II	Wilshusen, Wilmer L	Stafford, Kans	1.0
9EP	Wilson, Guy E	3922 Flora Ave., Kansas City, Mo	1.0
9NR 9WV	Winchester, Roy H Wireless Trio, The. See	Stafford, Kans. 3922 Flora Ave., Kansas City, Mo. 840 De Kalb Ave., Sycamore, Ill.	1.0
	Hoffman, Erich A.		
9TP	Witcraft, Wilbur Wittick, Eugene C	1941 Thompson Ave., Kansas City, Kans	1.0
9ACO	Wittick, Eugene C	104 6th Ave., Moline, Ill.	
9US	Woodford, Joe C Woodruff, Ralph T	411 E. 2d Ave., Oskaloosa, Iowa	1.0
9AR	Woodruff, Ralph T	649 N. 37th St., East St. Louis, Mo.	1.0
9HS	Woods, William E	4538-A Laclede St., St. Louis, Mo	
9AIU	Wooster Stanley W	5521 Lowe Ave Chicago III	1.0
9CY 9ADN	Woodruli, Raiph T Woods, William E Wolff, Jerome E Wooster, Stanley W Wright, Kenneth E	5531 Lowe Ave., Chicago, III. 855 Grand Ave., Waukegan, III. 213 3d St., Cairo, III. Sedgewick and Division Sts., Chicago, III.	1.0
9QM	Wunderlich, Clarence C	213 3d St., Cairo, Ill.	1.0
9NL	Wunderlich, Clarence C Wunderlich, Norman	Sedgewick and Division Sts., Chicago, Ill	
9MF	Yeakel, Maynard A		
9VC	Yeakel, Maynard A Ziegenbein, Ralph W. L	335 Douglas St., Houghton, Mich	1.0
9DM	Ziesenis, Harry	700 Mississippi St., Lawrence, Kans	1.(
9FY	Ziesenis, HarryZimmerman, Clinton J	335 Douglas St., Houghton, Mich 700 Mississippi St., Lawrence, Kans. 117 S. Washington St., Duquoin, Ill.	1.(
9AGL	Zuckerman, Samuel	2119 SDFuce St., Douidel, Colo	
9AIE	Zuelow, Felix	Casselton, N. Dak	,.!

#### NINTH DISTRICT-Continued.

#### ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
9AA_	Stone, Richard G.	9ADT	Hartman, Gilbert &	9AGV	Fiedler, Herbert.
9AAB	West, Paul H.	OA DIT	Martin.	9AGX	Bean, Mason.
9AAC 9AAD	Carlisie, Lloyd.	9ADU 9ADV	Whitaker, Ralph S.	9AGY 9AGZ	Brodnax, Lewis M.
PAAE	Russell Wolfert E.	9ADW	Hicks Verner	9AH	Engel, Roman. Kihlstrom, Harry C.
9AAF	Carlisle, Lloyd. Slentz, Daniel R. Russell, Wolfert E. Oonk, William J. C. Butter, Leoned	9ADX	Joslin, Murray. Hicks, Verner. Roe, Vancil V.	9AHA	Gates, George B.
9AAG	Dune, Double .	9ADY	Clapp, Newell.	9AHD	Gates, George B. Mase, Harold E.
9AAH	Neidlinger, Laurence. Bruestle, Walter F., jr.	9ADZ	McDonald, Edgar J.	9AHE	Harim, Paige J.
9AAI 9AAJ	Mothicon Michael	9AE 9AEA	McGee, Paul J.	9AHG 9AHI	Payne, Howard.
9AAK	Mathison, Michael. Knowles, Ivar A. Newlin, Myron.	9AEB	Benton, Raymond M. Garver, Norman D.	9AHK	Nelson, Gustaf A. Drummond, Ralph.
9AAL	Newlin, Myron.	9AEC	Landon, Edward B. Larsen, Clifford N.	9AHM	Snoke, Kenneth F.
9A A M	Clough, Kendali.	9AED	Larsen, Clifford N.	9AHN	Principia School.
9AAN	Pecha, J. D. Ebert, Arthur.	9AEE		9AHO	Schalkhausser, E. G.
9AAO 9AAP	Dunlen Carroll M	9AEF 9AEG	Schlegel, Alfred. O'Donnell, Wert.	9AHR 9AHS	Williams, Ashley.
OA A O	Dunlap, Carroll M. Lewis, Hubert.	9AEH	Blake, Charles R.	9AHT	Williams, Ashley. Ovrebo, Paul. Glavin, Roland E. Buck, Donald N. Call, George R.
9AAQ 9AAR	I HAPTON HAPOIG. I	9AEI	Ebner, Emil, jr.	9AHU	Buck, Donald N.
9AAT	Kenyon, Vernon N. Blasier, Herbert, jr.	9AEJ	Hornbeck, Holton.	9AHW	Call, George R.
9AAU	Blasier, Herbert, jr.	9AEK	Miller, Leslie F.	9AI	Kaulmann, Elmer.
9AAV 9AAW.	Mole, Harry H. Todd, J. Richard.	9AEL 9AEM	Miller, Leslie F. Olsen, Clarence J. M. Miller, Charles, jr.	9AIA 9AIB	Campbell, Albert.
9AAX	I Schulza, A. N.	9AEN	Brewster, Vernon.	9AIC	Wahn, Harry. Bliss, Sidney.
9AAY	Harris, Frank M., jr.	9AEO	Hall, Alfred H.	9AID	Lockhart, Ashton.
9AAZ	I Mathiagan Carl A	9AEP	Avery, Norman K.	9AIE	Zuelow, Felix. Fawcett, Lester S.
9ABA 9ABD	Crabb, Thomas G.	9AEQ 9AER	Marshall George	9AIF 9AIG	Fawcett, Lester S.
9ABE	Crabb, Thomas G. Corwin, Willis. Button, Bert A. Smith, Noble.	9AES	Richards, John. Marshall, George. Garrett, Halie C.	BAIG	Spickerman, Francis H.
9ABG	Smith, Noble.	9AET	Huff, Fred. 1	9AIH	Morton, C. E. and
9ABI	i Homecker, Walver, I	9AEU	Haitz, Fred. ir.		Morton, C. E. and Terry, J. W. Lipe, Corodon C.
9ABK	Todd, Leonard.	9AEV	Coffman, Scott. Nelson, M. E. Wareing, Thomas.	9AII	Lipe, Corodon C.
9ABM 9ABN	Kingsland, Le Roy. Deming, Herschel.	OAEV	Wareing Thomas	9AIJ 9AIK	Cook, George S. Jordan, Jacob.
9ABO	Shephard, Floyd P.	9AEW 9AEX 9AEY	Matzinger, Philip F. Egloff, Edward and	9AIM	Mackley, Harry A.
9wBR	Baker, Warren C.	9AEZ	Egloff, Edward and	9AIN	Ferguson, William B.
9A BS	Frenzel, Oscar F., jr.	0.4.73	Martin.	9AIO	Ferree, Frank H.
9ABT 9ABU	Fedder, Herman. Myers, Wilford U. Pfeiler, Lawrence.	9AFA 9AFA	O'Connell, John B. Jaroszewicz, Casimir.	9AIP 9AIQ	Hunt, Clayton S.
9ABW	Pfeiler, Lawrence.	9AFD	Krus, Carl.	9AIR	Englund, Lawrence. McCune, Geo. H. Barber, Orville F. Smith, Nathaniel C. Wolff, Jerome. Curtis, David S., jr. Doole, Howard, and
9AC	Snoteman John	9AFE	Howard, John C.	9AIS	Barber, Orville F.
9ACA	Doerfler, Hilary. Greene, John. Shanks, Charles E.	9AFG	Nevling, Lorin I. Sprackling, George A. Whitcomb, Donald L.	9AIT	Smith, Nathaniel C.
9ACD 9ACE	Charles T	9AFI 9AFK	Whiteomb Donald I.	9AIU 9AIV	Curtic David S in
9ACG	Duncan, Wilbur H.	9AFM	Swain, Raymond E.	9AIW	Doole, Howard, and
9ACI	Duncan, Wilbur H. Allen, George M.	9AFN	Swain, Raymond E. Swanson, Martin.		Francis, Lyle. Gabbert, Oscar F., jr. Davis, Winfield. Miller, Carmi E. Nell, Raymond B.
9ACK		9AFO	Harris, Harvey P.	9AIX	Gabbert, Oscar F., jr.
9ACM	Jeffrey, Albert E. Curry, Wilfred N. Wittick, Eugene C. Frank, George. Goods, Bertram	9AFR 9AFS	Phillips, Claude B. Busey, Paul G. Blum, Sidney J.	9AIY 9AIZ	Davis, Winneld.
9ACN 9ACO	Wittick, Eugene C.	9AFT	Blum, Sidney J.	9AJ	Nell. Raymond B.
9ACR	Frank, George.	9AFÛ	Clayton, Harold H.	9AJA	I ATPROFILE, LIBO, A.
9ACS	GOOCH, DOLUMEN.	9AFW	Bechtold, Joe and	9AJD	I MOPTOD CIVOR E
9ACT	Degner, Le Roy.	04.0	Fred V.	9AJE	Gunderson, Clarence.
9ACU 9ACW	Hageman, Edwin. Pfister, Walter.	9AG 9AGA	Martens, Hugo. Bornofska, Clarence	9AJG 9AJI	Gunderson, Clarence. Kansier, Vic. H. Kuhl, G. Harris.
9A D	Porwancher, Samuel.		and Elmer.	9AJK	Fischer, A.
9ADA	Franklin, Meurice W.	9AGB	Tylekens, Lucas, jr.	9AJM	Fischer, A. Meth, Charles.
9ADB	Greenwood, George	9AGC	Cottrell, Gorham J.	9AJN	Schoenwoll, Fred L.
9ADC	W., jr. Erickson, Einer.	9AGD 9AGE	Banks, Archie E.	9AK 9AL	Jumisko, Harold W.
9ADD	Meldrum, George E	9AGF	Gamble, Glen A. Canary, Elmer B.	9AM	Theisen, Peter J.
9ADE	Keller, Carl E.	9AGG	Herrling, Raymond	9AN	Johnson, Arthur. Theisen, Peter J. Cole, Jirah D., jr. Lipman, Theodore E.
9ADF	Jarboe, Owen.	04.077	1 C.	9AO	Lipman, Theodore E.
9ADG 9ADH	Hughes, Arthur S. Clark, Donald L.	9AGH 9AGI	Fenner, Zell G. Shriner, Ralph L.	9AP	K. Kingsley, Raymond
9ADI	Rufsvold, Arnold S.	9AGJ	I Rees. John.	JAN 1	C.
9ADJ	Nelson, Lee M.	9AGK	Messing, Marvin M.	9AQ	Skrainka, Walter and
9ADK	MacMillan, Charles W.	9AGL		0.5	Nicholas.
9ADL 9ADM	Bates, Clarence.	9AGM 9AGN	Rittin Frank I	9AR 9AS	Woodruff, Ralph T.
9ADN	Le Vine, George L. Wright, Kenneth E.	9AGO	Groth, Wm. A.	9AT	Goodnow, Frank E. Rueschau, Harry R.
9ADO	Dunock, morning or	9AGP	Barrett, Paul G.	9AU	Iversen, Reginald J.
	Corold	9AGQ	Knodle, Almon S. Brittin, Frank L. Groth, Wm. A. Barrett, Paul G. Davis, Herbert.	9AV	Iversen, Reginald J. Hamel, Walter H.
9ADP 9ADQ	Hecht Royal II	9AGR 9AGS	Seymour, Charles. Becker, Paul McN.	9AW	Niswonger, Elbert E.
9ADR	Stanley, Charles A. Hecht, Royal H. Wallace, William A.	9AGT	Williams, C. V.	9AX 9AY	Loosen, Irving R. Ward, Lloyd S.
9ADS	Spalding, John G.	9AGU	Briscoe, Bertram O.	9AZ	Davidson, James G.

#### NINTH DISTRICT-Continued.

# ALPHABETICALLY BY CALL SIGNALS-Continued.

	1		1		<del>,</del>
Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
9BA	Elmore, Virtus R.	9DU	Elliott, Byron K.	9GR	Piggs H C
9BB	Nattenheimer, Ervin	9DV	Locher Leo	968	Riggs, H. C. Morgan, Berwyn E.
UDD	l ta '	9DW	Malott, Alfred F.	9GT	Pollard, Lynn.
9BC	Dunlap, Carroll M.	9DX 9DY	Deich, Dayton P.	9G Ū	Clayton, Homer E
9BC 9BD	Duniap, Carroll M. Keeler, F. W. Myers, Delbert E. Heck, Lawrence F. Shapherd Don I	9DY	Malott, Alfred F. Deich, Dayton P. Healy, Kent T. Seaman, Walter A.	9G V	Coles, Jas. A. Rock, Burnham S. Kern, L. Armstrong. Ihl, G. Sheridan.
9BE	Myers, Delbert E.	9DZ	Seaman, Walter A.	9G W 9G Y	Rock, Burnham S.
9BF	Heck, Lawrence F.	077.4		9G Y	Kern, L. Armstrong.
9BG	Shepherd, Don I.	9EA	Brattland, Armond	9GZ	Ihi, G. Sheridan.
9BH 9BI	Neitz, Paul I. Craig, Richard A. Munchhof, Leo G. Trier, Paul W. Perl, Raymond H. Throop, Fred I. Flynn, John H., Jr. Mehride Balph M	OFB	D. Oakley, Robert N. Lebo, Robert B. The David Ranken, jr., School of Me-	9HA	
9BJ	Munchhof Lee C	9EB 9EC 9ED	Labo Robert B	9HB	Andrew, Warren. White, Elliott A.
9BK	Trier Paul W.	9ED	The David Ranken.	9HC	Kerney, Iden M
9BL	Perl, Raymond H.		jr., School of Me-	9HD	Kerney, Iden M. Prahl, Louis. Bergvall, Royal, and W. E.
9BM	Throop, Fred I.	ľ	CHBILICBI ITBUES.	9HE	Bergvall, Royal, and
<b>ARN</b>	Flynn, John H., jr.	9EE	Mueller, Clarence. Shotwell, Harold H.		_W. E.
9BO	MICDING, IMPRIME.	9EF	Shotwell, Harold H.	9HF	Hatch, J. Hadley.
9BP	Holcombe, Ray E.	9EG 9EH	Dean, Carl W.	9HG 9HH	Kistner, Joseph. Bohac, Leonard.
9BQ 9B8	Rhea, Robin E.	9EI	Chemiol John T	9HI	Burchnell Con M
9BT	Deldwin Edward	9EJ	Ramett Lawrence T	9HK	St Cur Albert
9BU	Jorgenson, Harold. Baldwin, Edward. Brown, Clarence L.	9EK	Dean, Carl W. Hollister, Harold A. Spaniol, John T. Barnett, Lawrence T. French, Newell E. Harrmann, Louis G.	OHL	Burchnell, Geo. M. St. Cyr, Albert. Crawlord, Robert.
9BV	Van Slyck, Welling-	9EL	Herrmann, Louis G.	9HM	
	ton.	9EM	Ball, George W.	9HN	Crowdus, James A.
9BW 9BX 9BY	Reinhardt, Wm. C.	9EN	Ball, George W. Fisher, Ralph D. McNeill, Malcom R. Wilson, Guy E. Hesly, Daniel.	OHO.	Crowdus, James A. Kossow, Erwin. Stevens, Kenneth. Terry, Owen B. Baulch, Ernest L. Woods, William E. Gleichman, Welter C.
9BX	Lutz, Clarence W. A.	9EO 9EP	McNeill, Malcom R.	9HP	Stevens, Kenneth.
9BY	Scoven, Paul.	9EP	Wilson, Guy E.	9HQ 9HR	Perry, Owen R.
9BZ	Goddard, C.	9EQ 9ER	Molond Kenneth	9H8	Woods William E
		9E8	McLoad, Kenneth. Wales, Frank S.	9HT	Gleichman, Walter C.
9CA	Norene, Raymond E. H. C. Tafel Electric Co., Inc.	9ET	I Bramball William	9ĤÛ	Pilgram, Geo. W. and
9CB	H. C. Tafel Electric	9ET 9EU	Frech, Lester. Piersol, Myron D. Vander Veer, G. E.		Pilgram, Geo. W. and John C.
000	Co., Inc.	9EV	Piersol, Myron D.	9HW	Peterson, O. W. Stewart, Lawrence W.
9CD	Pierson, Martin. Moen, Vere M.	9EW	Vander Veer, G. E.	9HX 9HY	Stewart, Lawrence W.
9CE	Hansen, Leland H.	9EX 9EY	Adolfson, George S.	9HY	Keuer, Allen W.
9CE 9CF 9CG 9CH	Hall, Harlan R.	9EZ	Adolfson, George S. Simms, Lincoln J. Davis, Richard M.	auv.	Anderson, Ivan H.
9CG	Johnson, Ralph.	BEZ	1	91A	Huckett, Edwin.
9CH	Grosemin Harry W	9FA	Walker, Loyd A.	91B	Koch, Emerson L.
9CI	Johnson, August R. Harry, Charles. Abei, Wilson L. Beech, Guy I. Library, Millert F.	9FB	Walker, Loyd A. Pearce, Wm. W., jr. Schulte, Herman.	9IC	i Greeniesi, S. A.
9CJ 9CK	Harry, Charles.	9FC	Schulte, Herman.	9ID	Swanson, Carl S. Wilcox, Charles W.
9CL	Rooch Cur I	9FD	Lawson, Parrvyn R.	9IE	Wilcox, Charles W.
OCM	Klicpera, Milhart F.	9FE	Dunklau, George.	91F 91G	Cole, Jirah D., jr. Reeder, Vern K. Talbott, Edward.
9CN 9CO 9CP		9FF 9FG	Wilkerson, Wilbur P. Dickson, Ward.	91H	Talbott Edward
9CO	Maupin, Ross. Brauch, Nicholas. Behmer, William. Heise, Paul A. Ragan, Tate V.	9FH	Millsmangh, Chas H	911	Wilshusen, Wilmer L.
9CP	Brauch, Nicholas.	9FI	Millspaugh, Chas. H. Salisbury, Hubbard	9IJ	I Lioud Norman W
9CQ	Behmer, William		H.	9IJ 9IK	Mathews, Ralph. Hellwig, Emil C. Smith, Wallace W. Locke, Melvin W.
9CR	Helse, Paul A.	9FK	Oetjen, Richard J.	9IL	Hellwig, Emil C.
9CS 9CT	Braileford Harry D	9FL	Hauck, George.	9IM	Smith, Wallace W.
9CŪ	Brailsford, Harry D. Watkins, Edwin S.	9FM 9FN	Preuss, Arthur C.	9IN 9IO	Hanry Albart T.
9CV	Johnston, Roderick E.	9FO	Taynton, Mark.	91P	Henry, Albert L. Nell, Edward, jr.
9CW 9CX 9CY	Heise, Elmer.	9FP	Rehm, Ralph E. Fawkes, C. E.	9ÎQ.	I Burr, Rainh H.
9CX	Haynes, Roy. Wooster, Stanley W.	9FO	i Brignam, Neal.	91 R	Schricker, J. Ray-
9CY	Wooster, Stanley W.	9FR 9F8	Heckenkamp, E. B.		mond.
A CTO	Terrin Tohn A	9F8	Davidson, James. Graves, G. G.	918	Wendell, Raymond
9DA 9DB	Irvin, John A. Paust, Lawrence R.	9FT 9FU	Graves, G. G.	9IT	B. Hollie K
9DC	Fahrney, Clarence H	9FV	LaDuke, Earl R. Aldrich, Clinton P.	OTTT	Sels, Hollis K.
9DD	Fahrney, Clarence H. Ederer, Lothar A.	9FW	Moreland, Henry F	91V	Tronske, Anthony T. Olsen, Winard G. Dennis, Eben R.
9DE	Jensen, Arnold L.	9FX	Moreland, Henry F. Smith, Wilson.	9i w	Dennis, Eben R.
9DF		9FX 9FY	Zimmerman, Clinton	9IX 9IY	i Smith. H. Merrii.
9DG	Hilgenberg, Noble C.	i	J	9IY	Singleton, Paul G. Harris, Ralph G.
9DH	Blatterman, Headlee.		la	9IZ	Harris, Ralph G.
9DI 9DJ	Bossley William A	9GA	Case, Henry W.	07.4	Wetsen Noble D
9DK	O'Neil Donald H C	9GB 9GC	Taylor, Wm. B., jr. Read, Harry.	9JA 9JB	Erikson Ehen W
9DL	Friend, Earle M.	9GE	McKee, Myron J.	91C	Lewis, W. Turnor IT
9DM	Ziesenis, Harry C.	9GF	McKee, Myron J. Eyth, Hector G.	9JD	Jorgenson, O. B.
9DN	Hagedorn, Gibert H Hilgenberg, Noble C. Blatterman, Headlee. Ahrensield, Wm. H. Beasley, William A. O'Neil, Donald H. C. Friend, Earle M. Ziesenis, Harry C. Sears, Charles L. Wober, Anthony I.	9GH	Sever, Harold C.	9JE	Watson, Noble B. Erikson, Eben W. Lewis, W. Turnor II. Jorgenson, O. B. Baumer, Harry W. Hood, Norman R. White H. S. M.
9DO 9DP	Weber, Anthony L. Clark, Bayard H. Sutherland, Kenneth	9GJ	Levander, Edwin N.	9JG	Hood, Norman R.
AD5	Custosland H.	9GK	Lobas, John.	9JH	White, H. S. M.
9DQ	outnerland, Kenneth	9GL	Lobas, John. Weber, John O. Curtis, Chas. D.	9JI	Almosted Clarence M.
9DR	L. Juvenal, James B.	9GN 9GO	Wagner William D	9JJ 9JK	Snyder William C
9D8	Ballantyne. Elnio-	9GP	Wagner, William D. Mallarian, Gregory.	9JL	White, H. S. M. Sommer, James M. Alvested, Clarence M. Snyder, William O. Keller, Stanley L. Puts Anton F.
9DT	Ballantyne, Eln 27. Schaf, J. Charles.	9G Q	Ristau, Harold.	9JM	Putz, Anton E.
				. –	

# NINTH DISTRICT—Continued.

# ALPHABETICALLY BY CALL SIGNALS—Continued. ·

	<del>                                     </del>	<del></del>	T	<del></del>	<del>,</del>
Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
9JN	Glasgow, Roy S.	9ME	Kimmel, Maurice E.	90Y	Fritz, Jack A.
9JO	Gustason, Gerald. Williams, Harold S. Finlay, William J. Miller, Harry F. Goodnetter, Elmore.	9MF	Kimmel, Maurice E. Yeakel, Maynard A.	90Z	Fritz, Jack A. Phillips, H. Leroy.
9JP	Williams, Harold S.	9MG	Novak, Joe J. Moore, Wm. McD. Shiel, Merrill.		1
ÑQ	Finlay, William J.	9MH	Moore, Wm. McD.	9PA 9PB	Korthals, Albert.
NR.	Miller, Harry F.	9MI	Shiel, Merrill.	9PB	Korthals, Albert. Hancock, Leverne.
918	Goodnetter, Elmore.	9MJ	Hussner, Heim C.	9PC	I Carter. George W.
OTT.	Warner, Kenneth B. Gisseler, Herman. Teetor, Macy O.	9MK	Giddings, E. H. Bement, David L. Pickett, Chester H.	9PD	Cassaday, Cecil E.
ก กัก	Coston Moon O	9ML	Bement, David L.	9PE 9PF	Stang, Ray E. Bolin, Ray E. Bergherm, W. D., and Langen, Geo. Ranson, Richard R. Finehout, Fred
йw	Trump Robert K	9M M 9M N	Mamard P Noff	9PG	Bolm, Kay E.
йX	Trump, Robert K. Griffiths, Robert E.	9MO	Huffman Varne A	ar a	Langer Coo
ÑΫ́	Black, Max I.	9MP	Maynard, P. Neff. Huffman, Verne A. Anderson, Paul D. Graham, Albert I.	9PH	Ranson Richard P
ijŹ	Schubert, Clarence.	9MQ	Graham Albert I	9PĪ	Finehout Fred
9KA	1	9MR	Roth, Henry, ir.	QPJ	Maxfield, David C.
AZA	Markowski, Edward T.	9MS	Roth, Henry, jr. Dier, Stephen.	9PK 9PL	Foster, Edwin J.
9KB	Forbes, Henry C.	9MT	Neumann. Clarence	9PL	Finehout, Fred. Maxfield, David C. Foster, Edwin J. Weilepp, Paul F. Eick, Ferdinand.
9KC	I LAA David R		_F	9 <b>PM</b>	Eick, Ferdinand.
9KD	Rathert, Will P.	9MU	Hess, Merriman.	9PN	williams, Harry B.
9KE	Rathert, Will P. Kranzfelder, Leonard	9MV	Hughes, James C.	9PN 9PO 9PP	May, Howard L. Voss, Lucien L.
-	J	9 <b>M</b> W	Sobillor Dor	9PQ	Voss, Lucien L.
9KF	Goorisich, John A.	9MX 9MY	Morrison, Francis S. Schiller, Roy. Haines, Thorvald L. Evans, Walter C.	0.₽R	Greenleaf, Burton B. Laidlaw, Robert F. Gosha, Donald.
9KG	Cornish, Clarence F.	9MZ	Evans Walter C	9P8	Gosha Donald
9KH	Goorisich, John A, Cornish, Clarence F. Wilcox, Leo B. Petersen, Howard E. Briggs, Walter C.	سيسه	Lians, watter C.	9P8 9PT 9PU	Howland, H. N.
9KI 9KJ	Petersen, Howard E.	9NA	Cleaveland, Leroy.	9PU	Wilhelmy, L. M.
9KK	Honricks Coores	9NA 9NB	Price, Gerald.	9PV	Laube, Herbert L.
9KL	Henricks, George. Helms, Elvin E.	9NC	Phillipps, H. G.	9PW	Laube, Herbert L. Peck, Earle M.
9KM	Anderson, Oscar L.	9ND	Roberts, Mason.	9PX	Gustafson, C. Hjal-
OKN	Burg, Harold E.	9NE	Price, Gerald. Phillipps, H. G. Roberts, Mason. Riley, Wilson M. Cottrell, Wm. R. Cramer, Wilbur R. Abercrombie, Julius	07037	mar.
9KO 9KP	Burg, Harold E. Joseph, Jarold.	9N F 9N G	Cottrell, Wm. R.	9PY 9PZ	Pierson, Stuart W.
9KP	Spencer, Levi.	9NG	Cramer, Wilbur R.	ar Z	Tallentire, Thomas.
9KQ	meicher, John M.	9NH	Apercromole, Julius		
9KR		9NI	[ D.	9QA 9QB 9QC	Larson, Lee H.
9KS 9KT	Bennett, Harold.	ONT	Krug, Eugene C. Brabender, Carl W.	9QB	Kees, Rossman W.
AK.I.	La Plant, G. L.	9NJ 9NK	Moss. Frank K.	900	Wheeler, Ted R. Albach, Henry, jr.
9KU 9KV	Burgy, Charles A., jr.	9NL	Moss, Frank K. Schattschneider, Emil	9QD	Albach, Henry, ir.
9KW	Scott W Vernon		G.	9QE 9QF	Hopkins, Stanley W. Lockwood, Charles E.
OK X	Miner, John F. Bennett, Harold. La Plant, G. L. Burgy, Charles A., Jr. Sauer, August. Scott, M. Vernon. Mathias, Russell E. Hartnell, Eugene H. Davis, William R.	9 <b>M</b> M	Glavin, Roland E.	9QG	Bunda Howard F
9KX 9KY	Hartnell, Eugene H	9NN	Deal, Harmon B.	9QH	Bundy, Howard E. Brockschmidt, Wes-
9KŽ	Davis, William R.	9NO	Coquilette, Glenn E. Leininger, Clarence.	141	ley E.
		9NQ	Leininger, Clarence.	9QT	Baldwin, Harry E
9LA	Reichenecker, Frank	9NR	Winchester, Roy H.	9QM	Wunderlich, Clarence
OT TO	N.	9NS 9NT	Ritter, Wm. H. Chapman, Richard C.	1	1 C.
9LB	Whipple, Arthur F. Casey, John G.	9NU	Parry Wm N	9QN	Oberholtz, Edwin F. Petersen, Walter. Mann, Harold L.
9LC 9LD	Brooks Balah	9NV	Perry, Wm. N. Gates, Arthur R.	9QO 9QP	Petersen, Walter.
9LE	Brooks, Ralph. Lisle, Waldo E.	9NW	Caldwell, Kenneth R.	9QP	Mann, Harold L.
9LF	Keenan, Charles J.	9NX	Caldwell, Kenneth R. Phelps, Clyde W. Ivy, John S. Willing, William P.	900	Spencer, Earle W. Hood, Thomas.
9LG	Teal Paul H	9N X 9N Y	Ivy, John S.	9Q8 9Q1	Ichneon Paul F
9LH	Stone, J. McWilliams.	9NZ	Willing, William P.	9QU 9QV	Thacher Sefford D
9LI	Stone, J. McWilliams. Heiser, Walter C.	٠	I .	9QW	Johnson, Paul E. Thacher, Safford D. Carnes, Theodore L.
9LJ	Spencer, Aivin C.	90A	Dilley, Joseph. Church, Archibald, jr.	9QY	Vehling, Robert.
9LK	Harrison, Major P., jr.	90B 90C	Tobason Torin E	9QZ	Vehling, Robert. Meyer, Otto.
9LL 9L <b>M</b>	Plummer, Evans E.	90D	Johnson, Lorin F. Kohl, William.	"	1 .
9LM	Schowalter, Elmer R.	90E	Andreen, Earl H.	9RA	Williams, Norman B.
9LO	Laughlin, Dale. Perkins, Albert. Stover, Peter A.	9OF	l Vollmar, Harold.	9RB	Kluge, Arno.
9LP	Stover, Peter A.	90G	Nestlerode, Boyd W.	9RC	Bohnstengel, George.
9LQ	Kruse, S.	90H	Nestlerode, Boyd W. Pentland, Robert L.	9RD	Bailey, F. M.
9LR	Kruse, S. Carroll, W. H.	100	Holte, Harold O. Barry, Daniel.	9RE	Mathauser, James J.
9LS	Olmsted, Randolph	90J	Barry, Daniel.	9RF	Harmegnies, Paul E. McCartney, Hugh S.
AT -	1 F.	90K	Gerkey, Lewis K.	9RG	mcCartney, Hugh S.
9LT	Sparks, Chas. H. Knouf, Ralph.	90M	Gerkey, Lewis K. Finley, Cyrus P. Thielens, Wagner P.	9RH	Denus, George W.
9LŬ 9LV 9LW	Lhoui, Kaiph.	90N 900	Semmelmeyer, Her-	9RI 9RK	Flesvig, Henry. Norbiel, Herbert D.
01.W	Howard Clade M	, ,	bert.	9RL	Saltmarsh Eugane D
9LX	Ehling, Fritz. Howard, Clyde M. Leberman, Palmer K.	90P	Sandifer, Robert.	9RM	Saltmarsh, Eugene P. Guthrie, Edwin P. Lethen, Edward.
9LŶ	Greene, Clark W.	9ŏQ.	Sandifer, Robert. Coultas, Charles.	9RO	Lethen, Edward
9LZ	Mason, Francis M., jr.	90R	Thomas, Martin.	9RP	I Graf. Rudolph.
	1	908	Rutt. Burnice L.	9RQ	Nelson, Carl H.
AM6	Smith, Lester M.	90T	Mckaa Charles D	9RR	Nelson, Carl H. McCall, John A. Meyer, Walter A.
9MB 9MC	Andreas, Gerald T.	90U	Pye, Harold.	9RS	Meyer, Walter A.
9MD	Michaels, J. J.	90V 90W	Pye, Harold. Richardson, David W. Del Vecchio, Earl. Stayers Harold D	9RU	i Thomas, Herschel.
THE L	McClintock, Wm. S.,	90X	Stavers Herold D	9RV	Huffman, Charles. Burhop, Harold.
	' jr.	<b>₽</b> ∪A	Stevers, Harold D.	9RW	parnop, maroid.

# NINTH DISTRICT—Continued.

#### ALPHABETICALLY BY CALL SIGNALS-Continued.

9RY Mc 9RZ Sto 98A Bre 98D G 98E Sch 98F Mc 98SH BBB 98I Loo 98SI Nol 98SI Nol 98SI Nol 98SI Re 98SO Da 98SO Da 98SO BS 98SO Re 98SO R	mmings, Murney. Guire, Donald D. one, Francis E. ennan, Joseph D. oughton, William G. hmidt, Otto G. shrholz, Irvin. mm, Paul M. urdick, Roy E. we, Meredith B. olte, Edward F. eitz, Rudolph W. stleberry, Jowell.	9TV 9TW 9TW 9UA 9UB 9UC 9UD 9UB 9UH 9UH 9UH 9UH 9UH	Ostermeier, Cecil H. Anderson, Axel V. La Rue, Harold. Pope, Franklin R. Wigton, Theron W. Huston, Paul E. Loveless, Harry L. Diehl, Grant, ir. Fels, Thomas W. Blakey, Millard. May, De Witt W. Cottrell, Hale T. Neumann, Adelbert.	9VM 9VN 9VO 9VP 9VQ 9VR 9VR 9VT 9VU 9VU 9VV	Clark, M. Eugene. Geiger, Hans F. Estling, David A. Benson, Lester A. Mason, Leroy E. Eilers, Werner. Diffenderier, Davis A. Lawrence, Harley C. Allman, John C. Messerly, Henry. Riedy, Walter L.
9RY   Mcc   Sto	Guire, Donald D. one, Francis E. eannan, Joseph D. oughton, William G. hmidt, Otto G. ehrholz, Irvin. umm, Faul M. urdick, Roy E. we, Meredith B. olte, Edward F. eitz, Rudolph W. stleberry, Jewell. gler, Robert J.	9TW 9TX 9TY 9UA 9UB 9UC 9UD 9UB 9UH 9UH 9UI	Anderson, Axel V. La Rue, Harold. Pope, Franklin R. Wigton, Theron W. Huston, Paul E. Loveless, Harry L. Diehl, Grant, jr. Fels, Thomas W. Blakey, Millard. May, De Witt W. Cottrell, Hale T. Neumann. Adelbert.	9VN 9VO 9VP 9VQ 9VR 9VR 9VT 9VU 9VU 9VV	Geiger, Hans F. Estling, David A. Benson, Lester A. Mason, Leroy E. Eilers, Werner. Diffenderier, Davis A. Lawrence, Harley C. Allman, John C.
9RZ   Sto   98A   Bre   98D   Bre   98B   English   98D   Bre   98	one, Francis E.  ennan, Joseph D.  oughton, William G.  hmidt, Otto G.  shrholz, Irvin.  mm, Faul M.  rudick, Roy E.  we, Meredith B.  olte, Edward F.  eitz, Rudolph W.  stleberry, Jewell.  gler, Robert J.	9TX 9TY 9UA 9UB 9UC 9UD 9UE 9UG 9UH 9UH 9UI	La Rue, Harold. Pope, Franklin R. Wigton, Theron W. Huston, Paul E. Loveless, Harry L. Diehl, Grant, jr. Fels, Thomas W. Blakey, Millard. May, De Witt W. Cottrell, Hale T. Neumann. Adelbert.	9VO 9VP 9VQ 9VR 9VS 9VT 9VU 9VV	Estling, David A. Benson, Lester A. Mason, Leroy E. Eilers, Werner. Diffenderfer, Davis A. Lawrence, Harley C. Allman, John C.
98A Bree 98D Bro G 98E 8ch 98F Mel 98F Mel 98I Loo 98I Loo 98I Loo 98I Loo 98I Loo 98I Loo 98I Cas 98M Engason Anna 98I See 98I Roi 98I See 98I Roi 97I Eis 97I Eis 97I Hag 97I Hag 97I Hag 97I Both Both Both Both Both Both Both Both	ennan, Joseph D. oughton, William G. hmidt, Otto G. shrholz, Irvin. mm, Paul M. urdick, Roy E. we, Meredith B. olte, Edward F. eitz, Rudolph W. stleberry, Jewell. gler, Robert J.	9TY 9UA 9UB 9UC 9UD 9UE 9UG 9UH 9UH 9UI	Pope, Franklin R. Wigton, Theron W. Huston, Paul E. Loveless, Harry L. Diehl, Grant, ir. Fels, Thomas W. Blakey, Millard. May, De Witt W. Cottrell, Hale T. Neumann. Adelbert.	9VP 9VQ 9VR 9VB 9VT 9VU 9VV 9VV	Benson, Lester A. Mason, Leroy E. Eilers, Werner. Diffenderier, Davis A. Lawrence, Harley C. Allman, John C.
98D Bro 98E G 98E Sch 98F Mele 98S K 98H Bu 98J Nol 98J Nol 98J C 288 S 98M Ann 98O Da 98D Ma 288 S 98M R 98D Ma 298 S 98T R 97TB K 97TB K 97TB L 189TH L 189TH B 180TM B	oughton, William G. J.	9UA 9UB 9UC 9UD 9UE 9UH 9UI 9UJ	Wigton, Theron W. Huston, Paul E. Loveless, Harry L. Diehl, Grant, ir. Fels, Thomas W. Blakey, Millard May, De Witt W. Cottrell, Hale T. Neumann. Adelbert.	9VQ 9VR 9VS 9VT 9VU 9VV 9VV	Mason, Leroy E. Eilers, Werner. Diffenderier, Davis A. Lawrence, Harley C. Allman, John C.
98D Bro 98E G 98E Sch 98F Mele 98S K 98H Bu 98J Nol 98J Nol 98J C 288 S 98M Ann 98O Da 98D Ma 288 S 98M R 98D Ma 298 S 98T R 97TB K 97TB K 97TB L 189TH L 189TH B 180TM B	oughton, William G. J.	9UB 9UC 9UD 9UE 9UH 9UH 9UI	Huston, Paul E. Loveless, Harry L. Diehl, Grant, jr. Fels, Thomas W. Blakey, Millard. May, De Witt W. Cottrell, Hale T. Neumann. Adelbert.	9VR 9V8 9VT 9VU 9VV 9VV	Eilers, Werner. Diffenderfer, Davis A Lawrence, Harley C. Allman, John C.
98SE Sch 98F Mel 98G Ko 98SH Bu 98SI Lov 98SI Lov 98SI Lov 98SI Cas 98SI Cas 98SO Da; 98SO Da; 98SO Ru 98SO Ru 97TB Ko 97TB Ko 97TB Eis 97TB Eis 97TB FII 97TH Hat 97TM Bo	G. hmidt, Otto G. chrholz, Irvin. mm. Paul M. urdick, Roy E. we, Meredith B. olte, Edward F. eitz, Rudolph W. stleberry, Jewell. gler, Robert J.	9UB 9UC 9UD 9UE 9UH 9UH 9UI	Huston, Paul E. Loveless, Harry L. Diehl, Grant, jr. Fels, Thomas W. Blakey, Millard. May, De Witt W. Cottrell, Hale T. Neumann. Adelbert.	9V8 9VT 9VU 9VV 9VW	Diffenderier, Davis A Lawrence, Harley C. Allman, John C.
98E Sch 98GH Mei 98GH Bu 98I Lov 98I Lov 98I Lov 98I Lov 98I Lov 98I Cas 98I En 98I CAs 98I En 98I E	hmidt, Otto G. ehrholz, Irvin. omm, Paul M. urdick, Roy E. we, Meredith B. elte, Edward F. eltz, Rudolph W. stleberry, Jewell. ugler, Robert J.	9UC 9UD 9UE 9UG 9UH 9UI 9UJ	Loveless, Harry L. Diehl, Grant, jr. Fels, Thomas W. Blakey, Millard. May, De Witt W. Cottrell, Hale T. Neumann. Adelbert.	9VT 9VU 9VV 9VW	Lawrence, Harley C. Allman, John C.
98F Mei 98G Kou 98H Bun 981 Lov 981 Lov 981 Lov 981 Lov 981 Lov 984 Yes 984 Yes 980 Day 980 Day 980 Cc 982 Rot 988 Sch 987 Rot 987 Rot 978 Rut 978 Full 978 F	ehrholz, Irvin. omm, Paul M. rdick, Roy E. we, Meredith B. olte, Edward F. eitz, Rudolph W. stleberry, Jewell. ugler, Robert J.	9UD 9UE 9UG 9UH 9UI 9UJ	Diehl, Grant, jr. Fels, Thomas W. Blakey, Millard. May, De Witt W. Cottrell, Hale T. Neumann, Adelbert.	9VU 9VV 9VW	Allman, John C.
98H Bun 98J Love 98J Noles 98L Cas 98M Enn 98N Enn 98N Ann 980 Days 98P Max 98R Holes 98R Holes 98S Scher 98S Scher 98S Scher 98T Rose 99T Eisi 97T Eisi 97T Eisi 97T Lisi 97T Lisi 97T Halls Halls Scher 97T Bottle	urdick, Roy E. we, Meredith B. blte, Edward F. eitz, Rudolph W. stleberry, Jewell. ngler, Robert J.	9UG 9UI 9UJ	Fels, Thomas W. Blakey, Millard. May, De Witt W. Cottrell, Hale T. Neumann, Adelbert.	9VW	Messerly, Henry.
981 Lov 981 Nolol 981 Ve 981 Cas 981 En, 981 En, 981 An, 981 A	we, Meredith B. olte, Edward F. eitz, Rudolph W. stleberry, Jewell. ngler, Robert J.	9UJ 9UI 9UH	Blakey, Millard. May, De Witt W. Cottrell, Hale T. Neumann, Adelbert.		Riedy Welter I.
981 Loo 988 We 981 No 981 No 981 No 981 Cas 981 En 981 An	we, Meredith B. olte, Edward F. eitz, Rudolph W. stleberry, Jewell. ngler, Robert J.	9UI 9UJ	May, De Witt W. Cottrell, Hale T. Neumann, Adelbert.	OVX	
98K We 98L Cas 98M Eng 98N Ann 99N Bs 98R Hoj 98R Sch 98T Roto 98T Rot 99T Rut 97TB Kot 97TB Eiss 97TB Gir 97TG Frr 97TG Lis 97TH Hat 97TJ Hat 97TM Bot	eitz, Rudolph W. stleberry, Jewell. igler, Robert J.	9UJ	Cottrell, Hale T. Neumann, Adelbert.		Grossman, Eugene F
98K We 98L Cas 98M Ann 98N Ann 98N Da 98O Da 98P Ma C 98Q Ref 98R Ho 99SB Sch 98T Roto 99SU See 98V Ru 97TA Par 97TB Ko 97TB Gir 97TG Frr 97TG Lis 97TJ Ha 97TM Bo 800	eitz, Rudolph W. stleberry, Jewell. igler, Robert J.		Neumann, Adelbert.	9VY	Bauer, George D.
98M Ann 98N An	igler, Robert J.	9UK		9VZ	Snarski, J. P.
98N And Pare 98R Hoi 98R Hoi 98R Hoi 98R Roi 9			Graybill, Donald R.		1
980 Days 981 Max C 982 Ref 983 Ref 984 Hoj 985 Rof 985 Rof 985 Rof 987 Rof 970 Ru 971 Par 971 Ha 971 Ha 971 Jen 971 Bot	dorgon Virgil	OUL'	Cheyne, Tom L.	9WA	Coats, Roscoe J.
98P Ma C 98Q Ref 98R Ho 98B Sch 98T Roto 98T Roto 98T Ru 97TB Ko 97TB Ko 97TB Gir 97TG Lis 97TH Lis 97TJ Ha 97TJ Jen 97TM Bot	iderson, Virgil.	9UM	Erickson, Edward H.	9WB	Nolan, Guy P.
98Q Res 98R Hojes 98T Roi 98U See 98V Rus 9TA Par 9TB Koi 9TD Eis 9TD Eis 9TG Frus 9TH Lis 9TH Lis 9TH Hai 9TH Boi	y, Harold E.	9UN	Smith, Joe L.	9WC	Kannenstine, Fabia
98Q Ref 98R Hojo 98R Sch 98T Rofe 98U Sees 98V Ru 9TA Par 9TB Ko 9TB Gir 9TG Gir 9TG Frr 9TJ Hau 9TJ Hau 9TM Boi	axson, Rolland and	9UO	Hegge, Adolph.		M.
9SR	Charles S.	9UP	Paetzold, William H.	9WD	Giese, R.C.
988 Sch 98T Roi 98U See 98V Ru: 9TA Par 9TB Koi 9TD Eis 9TE Gir 9TG Frr 9TH Lis 9TJ Ha 9TK Boi 9TK Bo	a, Richard.	9UQ	Blood, Lester C.	9WE	Brandt, Erwin H.
9ST Rot 9SU See 9SV Ru: 9TA Par 9TB Ko 9TD Eis 9TE Gir 9TH Lis 9TH Lis 9TJ Hau 9TK Jen 9TM Bo	ogan, Leo.	9UR	Powers, Milton A.	9WF	Carter, George W.
98U   See 98V   Ru 9TA   Par 9TB   Koo 9TD   Eis 9TG   Gir 9TG   Fru 9TH   Lis 9TJ   Jen 9TK   Jen 9TM   Boo	hrage, Charles T.	9U8	Woodford, Joe C.	9WG	Parks, Paul B.
9SV Ru: 9TA Par 9TB Kor 9TD Eis 9TG Gir 9TH Lis 9TJ Has 9TK Jen 9TM Bor	oth, John.	9UT	Hamilton, Leo L.	9WH	Reynolds, Wm. D., jr
9TA Par 9TB Kor 9TD Eis 9TE Gir 9TG Fru 9TH Lis 9TJ Hau 9TK Jen 9TM Bor	ese, Tom G.	9UV	Hayes, James E. S.	9WI	Kelley, Eugene V.
9TB   Kon 9TD   Eis 9TE   Gir 9TG   Fru 9TH   Hau 9TK   Jen 9TM   Bon	izek, Oscar E.	9UW	Burkart, Louis J., jr.	9WJ	Struver, Harold W.
9TB   Kon 9TD   Eis 9TE   Gir 9TG   Fru 9TH   Hau 9TK   Jen 9TM   Bon	rnin, Ross.	9UX	Bell, Fayett.	9WK	Thomas, Carroll W.
9TD   Eis 9TE   Gir 9TG   Fru 9TH   Lis 9TJ   Has 9TK   Jen 9TM   Bor	oresh, George.	9UY	Strock, Reeve O.	9WL 9WM	Bierbach, Werner.
9TE   Gir 9TG   Fru 9TH   Lis 9TJ   Has 9TK   Jen 9TM   Bor	sele, Edward J.	9UZ	Edwards, Austin N.	9WM	Smith, Stanley.
9TG Fru 9TH Lis 9TJ Has 9TK Jen 9TM Bor	rod, Earl.	9VA	Siegart, Walter.	9WO	Ferdinand, Harry P. Garrett, Sherman S.
9TH Lis 9TJ Has 9TK Jen 9TM Bos	uit, Lester.	9VB	Bennett, Herbert P.	9WP	McKeever, Thomas.
9TJ Has 9TK Jen 9TM Box	ston, Earl.	9VC	Ziegenbein, Ralph	9WQ	Black, Harry N.
9TK Jen 9TM Box	sncock, George T.	900	W. L.	9WŘ	Burghardt, Douglas.
9TM Box	nsen, Louis T.	9VD	Bitner, Robert E.	9WS	Patterson, Coy.
	nson, George W.	9VE	Littmann, Edwin R.	9WT	Kelley, Edward L.
9TN Mir	irgeler, Robert J.	9VG	Howard, L. Harde-	9WU	Church, Arthur B.
	r, Darrel J.	974	man.	9WV	Hoffman, Erich A.
	itcraft, Wilbur.	9VH	Scribner, Elmer B.	øww	Smith, Raymond L.
		9VI	Beesley, Bernard J.	9WX	Kramer, Andrew W.
		9VJ	Miller, Leland.	9WŶ	Barnickol, Carl R.
	iggs, Fred W.	9VK	Boardman, Horace C.	9WZ	Blue River Power Co
	iggs, Fred W. irner, Orville H.	""	and Clarence E.	5,172	Did III. Val I Owal Co
9TU Gri	iggs, Fred W.	9VL	Grafe, Harold.		1

# APPENDIX.

# TRANSMISSION OF TIME SIGNALS AND HYDROGRAPHIC INFORMATION BY NAVAL RADIO STATIONS.

The transmission of time signals to vessels at sea by means of radiotelegraphy was first accomplished in the United States in 1905, and this service, enlarged and extended, has continued to the present time. This service is of the greatest value to mariners, as it furnishes a means by which the time, as given by the transmitted signals, may be compared with a ship's chronometer and the error of the chronometer found. Similar comparisons over a number of days enable data to be obtained by which not only the error may be found but also the chronometer rate; that is, the rate at which it is gaining or losing.

The noontime signals on the Atlantic coast are sent out through the coast radio stations by connection with Western Union Telegraph lines from the United States Naval Observatory at Washington, D. C. By the operation of proper relays in electrical circuits, the beats of the seconds of a standard clock in the observatory are sent out broadcast as a series of radio dots, commencing five minutes before the time of the final signal. By omitting certain dots in a series, the comparison between the dots and the beats of the chronometer seconds can be checked until the instant of local noon (seventy-fifth meridian time) is reached. This is marked by a longer dot, which gives the time of exact noon. A comparison with the chronometer time at that instant gives its error referred to the seventy-fifth meridian time. Applying the difference in longitude, namely, five hours, between the seventy-fifth meridian and Greenwich, which is the standard meridian (or 0° longitude), the error of the chronometer referred to Greenwich time is determined.

Time signals are now sent out on the Atlantic coast only through the radio stations at Washington (NAA), Key West (NAR), and New Orleans (NAT). Signals from Washington and Key West are sent out every day in the year twice a day, viz, from 11.55 a. m. to noon and from 9.55 to 10 p. m., seventy-fifth meridian time. Time signals from New Orleans are sent out daily, including Sundays and holidays, commencing at 11.55 a. m., seventy-fifth meridian standard time, and ending at noon.

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In case of failure of the Washington high-power station, the signals are sent out by the small set in the same station, and the stations at Boston, Newport, New York, Norfolk, and Charleston are notified, and they each send the signals broadcast.

On the Pacific coast the time signals are sent broadcast to sea through the naval radio stations at San Francisco (NPH), Eureka (NPW), Point Arguello (NPK), and San Diego, Cal. (NPL), and at North Head, Wash. NPE). The controlling clock for each station is in the naval observatory at the Mare Island Navy Yard. Signals from San Francisco are sent out every day from 11.55 to noon, and from 9.55 to 10 p. m., one hundred and twentieth meridian standard time. Those from North Head, Eureka, Point Arguello, and San Diego are sent out daily, excluding Sundays and holidays, from 11.55 to noon, one hundred and twentieth meridian standard time.

On the Great Lakes the time signals are sent broadcast through the naval radio station at Great Lakes, Ill. (NAJ), daily from 10.55 a.m. to 11 a.m., ninetieth meridian standard time.

To get the maximum clearness of signals, the receiving circuit should be tuned to that of the sending station. Washington and San Francisco send on a 2,500-meter wave length, North Head and San Diego on a 2,000-meter wave length, Eureka on a 1,400-meter wave length, Great Lakes on a 1,512-meter wave length, Key West and New Orleans on a 1,000-meter wave length, and Point Arguello on a 750-meter wave length.

Information concerning wrecks, derelicts, ice, and other dangerous obstructions to navigation, whenever received from the Hydrographic Office or from a branch hydrographic office or other reliable source, is sent broadcast four times daily, viz, at 8 a.m., noon, 4 p. m., and 8 p. m., local (standard) time of station. Ships within range of a naval radio station should be prepared to receive these hydrographic messages at the hours mentioned and should avoid sending radio messages at these times. One vessel sending may prevent several others receiving information necessary to their safety.

Naval radio stations will furnish this information to passing vessels on request, whenever practicable, at other hours than those mentioned above. Should it not be practicable to send out this information on one of the hours scheduled it will be held until the next scheduled time and sent out as soon as practicable after each hour scheduled.

Each night at 10 o'clock, seventy-fifth meridian, immediately following the time signal, the naval radio station at Washington, D. C., will broadcast such information relating to safe navigation as may be furnished it by the Hydrographic Office during the preceding 24 hours. The same wave length, 2,500 meters, used in the time signal will be employed.

# TRANSMISSION OF WEATHER REPORTS BY NAVAL RADIO STATIONS.

Through cooperation with local offices of the United States Weather Bureau, weather forecasts are sent broadcast to sea through naval coast radio stations at certain times, varying with the locality. Coast stations are generally prepared to give local forecasts to passing vessels without charge, on request. Storm warnings are sent whenever received and the daily weather bulletins are distributed by the naval radio stations at Washington, D. C., and Key West; Fla., a few minutes after the 10 p. m. time signal. These bulletins consist of two parts.

The first part contains code letters and figures which express the actual weather conditions at 8 p. m., seventy-fifth meridian time, on the day of distribution, at certain points along the eastern coast of North America, one point along the Gulf of Mexico, and one at Bermuda.

The second part of the bulletin contains a special forecast of the probable winds to be experienced a hundred miles or so offshore, made by the United States Weather Bureau for distribution to shipmasters. The second part of the bulletin also contains warnings of severe storms along the coasts, as occasions for such warnings may arise.

Immediately following this bulletin, a weather bulletin for certain points along the Great Lakes is sent broadcast by the naval radio station at Washington, D. C., consisting of two parts. The first part contains code letters and figures which express the actual weather conditions at 8 p. m., seventy-fifth meridian time, on the day of distribution, at certain points along the Lakes. The second part of the bulletin contains a special forecast of the probable winds to be experienced on the Lakes, during the season of navigation—about April 15 to December 10.

The points for which weather reports are furnished are designated as follows: For Atlantic coast and Gulf points, S=Sydney, T=Nantucket, DB=Delaware Breakwater, H=Hatteras, C=Charleston, K=Key West, P=Pensacola, and B=Bermuda; for points on the Great Lakes, Du=Duluth, M=Marquette, U=Sault Ste. Marie, G=Green Bay, Ch=Chicago, L=Alpena, D=Detroit, V=Cleveland, and F=Buffalo.

All bulletins begin with the letters U S W B (United States Weather Bureau) and the weather conditions follow. The first three

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figures of a report represent the barometric pressure in inches (002 = 30.02); the next figure, the fourth in sequence, represents the direction of the wind to the eight points of the compass: 1 = north, 2 = north, east, 3 = east, 4 = southeast, 5 = south, 6 = southwest, 7 = west, 8 = northwest, and 0 = calm. The fifth figure represents the force of the wind on the Beaufort Scale, given below.

Beaufort Scale of wind force.

Number and designation.	Statute miles per hour.	Nautical miles per hour.
0 Calm		0 to 2.6
1 Light air	.  8	6. 9
2 Light breeze	. 13	11.3
3 Gentle breeze	. 18	15. 6
4 Moderate breeze	. 23	20.0
5 Fresh breeze	28	24. 3
6 Strong breeze		29. 5
7 Moderate gale		34.7
8 Fresh gale		41. 6
9 Strong gale		48. 6
10 Whole gale		56. 4
11 Storm		65. 1
	· • • • • • • • • • • • • • • • • • • •	78. 1
12 Hurricane	and over.	and over.

In order to simplify the code, no provision has been made for wind force greater than 9, strong gale, on the Beaufort Scale. Whenever winds of force greater than 9 occur, the number representing them is given in words instead of figures, thus: Ten, eleven, etc.

#### EXAMPLES OF CODE.

USWB S 96465 T 91674 DB 94686 H 99886 C 01214 K 02622 P 03613 B 00065

United States Weather Bureau.

<b>a.</b>		Wind.		
Station.	Pressure.	Direction.	Force.1	
Sydney	. 29.64	sw		
Nantucket Delaware Breakwater	. 29. 16	W NW	4	
Hatteras	. 29.98	NW N	è	
Key West	. 30. 26	NE	\$	
Pensacola		N SW	·	
3				

<sup>&</sup>lt;sup>1</sup> See Beaufort Scale.

# USWB Du 95826 M 97635 U 00443 G 96046 Ch 95667 L 00644 D 00842 V 01054 F 01656

Translation.

United States Weather Bureau.

	_	Wind.		
Station.	Pressure.	Direction.	Force.1	
Duluth. Marquette Sault Ste. Marie Green Bay Chicago Alpena Detroit.	30. 04 29. 60 29. 56 30. 06 30. 08	NE * E SE SE SW SE SE	6 5 3 6 7 4	
Cleveland	30. 10 30. 16	S S	<b>4</b> 6	

<sup>&</sup>lt;sup>1</sup> See Beaufort Scale.

The naval radio station at Great Lakes, Ill., transmits a weather bulletin at 10 a.m. and 10 p.m., ninetieth meridian time, daily, on a wave length of 1,512 meters. This bulletin is similar to the second bulletin sent out by Washington station, and is for the States of Illinois, Missouri, Iowa, Minnesota, North Dakota, South Dakota, Nebraska, Kansas, Wisconsin, and also for the upper lakes. Storm warnings are sent out as soon as received and broadcasted every four hours the next day.

# INTERNATIONAL MORSE CODE AND CONVENTIONAL SIGNALS.

[To be used for all general public service radio communication. (1) A dash is equal to three dots; (2) the space between parts of the same letter is equal to one dot; (3) the space between two letters is equal to three dots; (4) the space between two words is equal to five dots.]

<u>A</u>	Period	
$\overset{\mathrm{B}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{C}}{\overset{\mathrm{C}}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}}{\overset{\mathrm{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}$	Semicolon	
D · ·	Comma	
$\overset{\mathbf{F}}{\overset{\cdot \cdot \cdot -}{\overset{\cdot \cdot}{\overset{\cdot}{\overset{\cdot}{\overset{\cdot}{\overset{\cdot}{\overset{\cdot}{\overset{\cdot}{\overset$	Colon	
H		!
J	Interrogation	
K	Exclamation point	
M	Apostrophe	:
0 P	Hyphen	i
0	Bar indicating fraction	
R S	Parenthesis	
T	Inverted commas	
$\overset{\mathrm{V}}{\mathrm{w}} \overset{\dots}{\dots} =$	Underline	
$X = \dots = X$	Double dash	
Z	Distress Call.	
Ä (German)	Attention call to precede every transmission	
A or A (Spanish-Scandinavian)	General inquiry call	
•——•	From (de)	
CH (German-Spanish)	Invitation to transmit (go	
É (French)	ahead)	
Ñ (Spanish)	Warning—high power	
14 (Spanish)	Question (please repeat after)—interrupting long messages	
Ö (German)		
Ü (German)	Wait	
• •	Break (Bk.) (double dash) Understand	<u> </u>
	Error	
1	Received (O. K.).	
2··	Position report (to precede all	••
4 · · · · <u> </u>	position messages)	
6	End of each message (cross)	
8	Transmission finished (end of work) (conclusion of cor-	
0====	respondence)	• • • •
		<u> </u>

# LIST OF ABBREVIATIONS TO BE USED IN RADIO COM-MUNICATION.<sup>1</sup>

Abbre- viation.	Question.	Answer or notice.
c Q		Signal of inquiry made by a station desiring to communicate.
ТR	<b>- ·-·</b>	Signal announcing the sending of par- ticulars concerning a station on shipboard (Art. XXII).
(!)		Signal indicating that a station is about to send at high power.
PRB	Do you wish to communicate by	I wish to communicate by means of
	means of the International Signal Code?	the International Signal Code.
$\mathbf{QRA}$	What ship or coast station is that?	This is
QRB	What is your distance?	My distance is
QRC	What is your true bearing?	My true bearing is degrees.
QRD	Where are you bound for?	I am bound for
QRF	Where are you bound from?	I am bound from
QRG	What line do you belong to?	I belong to the Line.
QRH	What is your wave length in meters?	My wave length is meters.
QRJ	How many words have you to send?	I have words to send.
QRK	How do you receive me?	I am receiving well.
QRL	Are you receiving badly? Shall I	I am receiving badly. Please send
	send 20.	20.
		•••
QRM	for adjustment?	for adjustment.
QRM QRN	Are you being interfered with?	I am being interfered with.
QRO	Are the atmospherics strong?	Atmospherics are very strong.
QRP	Shall I decrease power?	Increase power.
QRQ	Shall I decrease power?	Decrease power. Send faster.
QRS	Shall I send slower?	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
QRT	Shall I stop sending?	Send slower. Stop sending.
QRU	Have you anything for me?	I have nothing for you.
QRV	Are you ready?	I am ready. All right now.
QRW	Are you busy?	I am busy (or, I am busy with
£ 40 14	Are you busy!	Please do not interfere.
	1	i icase do not interfere.

 $<sup>^{1}</sup>$  When an abbreviation is followed by a mark of interrogation, it refers to the question indicated for that abbreviation.

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## 178 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

## LIST OF ABBREVIATIONS TO BE USED IN RADIO COMMUNICATION—Continued.

Abbre- viation.	Question.	Answer or notice.
QRX	Shall I stand by?	Stand by. I will call you when required.
QRY	When will be my turn?	Your turn will be No
QRZ	Are my signals weak?	Your signals are weak.
QSA	Are my signals strong?	Your signals are strong.
QSB	Is my tone bad?	The tone is bad.
-	Is my spark bad?	The spark is bad.
QSC	Is my spacing bad?	Your spacing is bad.
QSD	What is your time?	My time is
QSF	Is transmission to be in alternate	Transmission will be in alternate
Ť	order or in series?	order.
QSG	•	Transmission will be in series of 5
		messages.
QSH		Transmission will be in series of 10 messages.
QSJ	What rate shall I collect for?	Collect
QSK	Is the last radiogram canceled?	The last radiogram is canceled.
QSL	Did you get my receipt?	Please acknowledge.
QSM	What is your true course?	My true course is degrees.
QSN	Are you in communication with land?.	I am not in communication with land.
oso	Are you in communication with any	I am in communication with
	ship or station (or: with)?	(through).
QSP	Shall I inform that you are calling him?	Inform that I am calling him.
QSQ	Is calling me?	You are being called by
QSR	Will you forward the radiogram?	I will forward the radiogram.
QST	Have you received the general call?	General call to all stations.
QSU	Please call me when you have finished (or: at o'clock)?	Will call when I have finished.
QSV 1	Is public correspondence being handled?	Public correspondence is being han- dled. Please do not interfere.
QSW	Shall I increase my spark frequency?.	Increase your spark frequency.
QSX	Shall I decrease my spark frequency?.	Decrease your spark frequency.
QSY	Shall I send on a wave length of	Let us change to the wave length of
007	meters?	meters.
QSZ		Send each word twice. I have diffi-
~m.		culty in receiving you.
QTA		Repeat the last radiogram.

<sup>&</sup>lt;sup>1</sup> Public correspondence is any radio work, official or private, handled on commercial wave lengths.



